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ABSTRACT

Listings of the National Science Foundation's grants and awards for 1972 are organized by topic areas. Within each topic area the entries are listed by state geographical locations. Each entry contains the name(s) of the person(s) conducting the research, the institution at which the research was conducted and the amount of the grant received. (JP)

National Science Foundation Grants and Awards 1972

NSF 73-2

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EDUCATION & WELFARE
NATIONAL INSTITUTE OF
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National Science Foundation

Grants and Awards for Fiscal Year 1972

The yearly review of the Foundation's activities appears in a separate volume entitled "Twenty-Second Annual Report of the National Science Foundation, Fiscal Year 1972," NSF 73-1.
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GRANTS AND AWARDS

SCIENTIFIC RESEARCH PROJECT SUPPORT

NON-CLASSIFIED

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS (16AWDS)*; $12,581

MARYLAND

NONE; *OTHER PROGRAM AWARDS (02AWDS)*; $522

VIRGINIA

NONE; *OTHER PROGRAM AWARDS (01AWDS)*; $18,000

BIOLOGY

CELLULAR BIOLOGY

ALABAMA

TUSKEGEE INSTITUTE

WILLIAMS, JOHN W; *COSIP D RESEARCH INITIATION - IN SITU HYBRIDIZATION STUDIES ON THE NATURE OF DNA SEQUENCES IN LATERAL LOOP AXES OF LAMPBUISH CHROMOSOMES (Y010451)*; 24 MONTHS $29,000

ARIZONA

ARIZONA STATE UNIVERSITY

CHURCH, KATHLEEN K; *CHIASMA FORMATION DURING SPERMATOGENESIS AND OOGENESIS (B030699)*; 24 MONTHS $20,100

UNIVERSITY OF ARIZONA

BERNSTEIN, HARRIS; *GENETIC STUDIES WITH PHAGE T4 (B008760 001)*; 24 MONTHS $52,000

BERMUDA

BERMUDA BIOLOGICAL STATION FOR RESEARCH INC

STERRER, WOLFGANG E; *SHORT SUMMER PROJECTS IN MARINE BIOLOGY, EMBRYOLOGY, AND PHYSIOLOGY (B034211)*; 12 MONTHS $6,900

CALIFORNIA

LIEB, MARGARET; *OTHER PROGRAM AWARDS (01AWDS)*; 12 MONTHS $41,520

CALIFORNIA INSTITUTE OF TECHNOLOGY

MITCHELL, HERSCHEL K; *REGULATION OF DEVELOPMENT IN DROSOPHILA (B023343 001)*; 24 MONTHS $50,000

LEWIS, EDWARD B; *OPERATIONAL SUPPORT FOR A COLLECTION OF MUTANT TYPES OF DROSOPHILA MELANOGASTER (B027416 001)*; 12 MONTHS $41,300

HOOD, LEROY E; *THE GENETIC CONTROL OF ANTIBODY DIVERSITY AND EVOLUTION (B027605 001)*; 12 MONTHS $66,000

BROKAW, CHARLES J; *COMPUTER SIMULATION OF FLAGELLAR MOVEMENT (B032035)*; 24 MONTHS $46,000

DAVIDSON, ERIC H, AND BRITTEN, ROY J; *GENE REGULATION IN DEVELOPMENT AND THE EVOLUTION OF GENOMIC REGULATORY SYSTEMS (B033441 X00)*; 12 MONTHS $20,000

HOOD, LEROY E; *NONHISTONE CHROMOSOMAL PROTEINS AND GENE ACTIVATION IN EUKARYOTES (B034160)*; 24 MONTHS $76,500

CALIFORNIA STATE COLLEGE AT SAN BERNARDINO

SOKOLOFF, ALEXANDER; *MAINTENANCE OF THE TRIBOLIUM STOCK CENTER (B030476 X00)*; 12 MONTHS $20,000

SOKOLOFF, ALEXANDER; *MAINTENANCE OF THE TRIBOLIUM STOCK CENTER (B030476 X01)*; 12 MONTHS $21,000

CALIFORNIA STATE UNIVERSITY, HUMBOLDT

BARRATT, RAYMOND W; *OPERATION OF A GENETIC STOCK CENTER FOR NEUROSPORA AND ASPERGILLUS (B030487)*; 12 MONTHS $40,900

SALK INSTITUTE FOR BIOLOGICAL STUDIES

BOURGEOIS-COHN, SUZANNE; *IN VITRO STUDY OF REGULATION (B029559 X01)*; 12 MONTHS $72,700

HORIBATA, KENGO; *TUMORS EXPRESSING DIFFERENTIATED FUNCTION IN CULTURE (B031541)*; 24 MONTHS $35,000

SCHUBERT, DAVID R; *PURCHASE OF ELECTRON MICROSCOPE (B034154)*; 12 MONTHS $16,000

NICOLSON, GARTH L, AND HYMAN, ROBERT; *TOPOLOGICAL STUDIES OF THE SURFACE OF NORMAL AND TRANSFORMED CELLS (B034178)*; 24 MONTHS $60,800

SCRIPPS CLINIC AND RESEARCH FOUNDATION

LERNER, RICHARD A; *MOLECULAR STRUCTURE OF THE IMMUNOGLOBULIN RECEPTOR IN CONTINUOUS CULTURES OF DIPLOID HUMAN LYMPHOCYTES (B034296)*; 24 MONTHS $65,000

STANFORD UNIVERSITY

YANOFSKY, CHARLES; *GENETIC AND BIOCHEMICAL STUDIES OF THE TRYPTOPHAN OPERON (B006790 X03)*; 12 MONTHS $75,400

HEPLER, PETER K; *CONTROL OF SPINDLE ORGANIZATION IN DIVIDING PLANT CELLS (B025152 002)*; 24 MONTHS $90,000

GREEN, PAUL B; *BIOPHYSICS OF PLANT GROWTH REGULATION (B028667 001)*; 24 MONTHS $90,000

FRANKLIN, NAOMI C; *TRANSCRIPTION REGULATION AT THE 'TRP' OPERON OF 'ESCHERICHIA COLI' AND THE 'N' OPERON OF BACTERIOPHAGE LAMBDA (B029093 X01)*; 12 MONTHS $37,000

WESSELLS, NORMAN K; *STUDIES IN MORPHOGENESIS AND CELL DIFFERENTIATION (B031935)*; 12 MONTHS $27,500

BERG, PAUL; *PURCHASE OF A HIGH RESOLUTION ELECTRON MICROSCOPE (B034162*)*; 12 MONTHS $5,600

BERG, PAUL; *CONFERENCE ON TRANSCRIPTIONAL AND TRANSLATIONAL MECHANISMS ON EUCARYOTIC CELLS (B034311)*; 12 MONTHS $20,000

UNIVERSITY OF CALIFORNIA, BERKELEY

LAETSCH, W M; *REGULATION OF CHLOROPLAST DEVELOPMENT IN CULTURED PLANT TISSUE (B012964 001)*; 24 MONTHS $47,200

STERN, CURT; *DEVELOPMENTAL GENETICS OF DROSOPHILA (B023024 001)*; 12 MONTHS $33,000

JONES, RUSSELL L; *STUDIES ON GIBBERELLIC ACID-INDUCED ENZYME PRODUCTION FROM BARLEY ALEURONE LAYERS (B027468 001)*; $11,000

FOGEL, SEYMOUR, AND MORTIMER, ROBERT K; *MAINTENANCE OF A YEAST GENETICS STOCK CENTER (B028955 001)*; 12 MONTHS $20,000

BRANTON, DANIEL; *GAS VESICLE DEVELOPMENT AND CONTROL (B032024)*; 24 MONTHS $40,200

BRANTON, DANIEL, AND WOFSY, LEON; *MEMBRANE ORGANIZATION AND REORGANIZATION-LYMPHOCYTE ANTIGEN RECEPTORS IN THE IMMUNE RESPONSE (B034328)*; 12 MONTHS $47,500

UNIVERSITY OF CALIFORNIA, DAVIS

ALLARD, ROBERT W; *ENZYME POLYMORPHISMS IN PLANT POPULATIONS (B013213 001)*; 24 MONTHS $50,000

EDLIN, GORDON J; *NUCLEOTIDE POOLS AND NUCLEIC ACID SYNTHESIS (B013528 002)*; 24 MONTHS $55,500

LAIDLAW, HARRY H; *MAINTENANCE OF A BEE GENETIC STOCK CENTER (B027655 001)*; 12 MONTHS $20,300

GOTTLIEB, LESLIE D; *GENETIC DIFFERENTIATION AND PLANT SPECIATION (B029484 X01)*; 12 MONTHS $15,400

ARMSTRONG, PETER B; *CELLULAR BASIS OF MORPHOGENESIS* (*B030751*); 24 MONTHS $18,600

ABBOTT, URSULA K; *TISSUE INTERACTIONS DURING NORMAL AND ABNORMAL MORPHOGENESIS* (*B031879*); 24 MONTHS $48,200

BOYD, JAMES B; *NONHISTONE CHROMOSOMAL PROTEINS AND GENE ACTIVATION IN EUKARYOTES* (*B034159*); 24 MONTHS $23,500

UNIVERSITY OF CALIFORNIA, IRVINE

TEWARI, KRISHNA; *BIOGENESIS OF CELL ORGANELLES- STUDIES ON CHLOROPLASTS* (*B020674 001*); 24 MONTHS $60,000

TESSMAN, IRWIN; *REPLICATION, RECOMBINATION AND MUTATION OF DNA* (*B029099 001*); 5 MONTHS $22,300

WULFF, DANIEL L; *BACTERIAL GENES AFFECTING PHAGE LAMBDA DEVELOPMENT* (*B032194*); 24 MONTHS $48,700

UNIVERSITY OF CALIFORNIA, LOS ANGELES

EISERLING, FREDERICK A; *GENETIC CONTROL OF VIRUS STRUCTURE* (*B013117 002*); 24 MONTHS $75,000

MARTINEZ, RAFAEL J; *STUDIES ON BACTERIAL FLAGELLA* (*B015844 001*); 24 MONTHS $55,000

FRANKER, COLIN K; *INITIATION OF NUCLEAR DNA SYNTHESIS* (*B029479 X01*); 12 MONTHS $10,000

UNIVERSITY OF CALIFORNIA, RIVERSIDE

THOMSON, WILLIAM W; *STRUCTURE, DEVELOPMENT, AND FUNCTION OF SALT GLANDS* (*B008199 001*); 24 MONTHS $20,600

LEWIS, LOWELL N; *HORMONAL CONTROL OF CELLULASE IN CELL DEVELOPMENT AND SENESCENCE* (*B017850 001*); 24 MONTHS $35,000

BARTNICKI-GARCIA, SALOMON; *BIOCHEMISTRY OF CELL WALL DIFFERENTIATION IN PHYTOPHTHORA* (*B032165*); 24 MONTHS $69,000

UNIVERSITY OF CALIFORNIA, SAN DIEGO

SIMON, MELVIN I; *BIOSYNTHESIS AND REGULATION OF FLAGELLA* (*B015655 001*); 24 MONTHS $75,000

SATO, GORDON H; *SELECTION OF HAPLOID MAMMALIAN CELLS IN TISSUE CULTURE* (*B015788 001*); 24 MONTHS $80,000

BRODY, STUART; *GENETIC AND BIOCHEMICAL STUDIES OF MORPHOLOGICAL MUTANTS OF NEUROSPORA* (*B021227 001*); 24 MONTHS $56,000

GEIDUSCHEK, E PETER; *CONTROL OF GENE EXPRESSION IN DEVELOPMENT* (*B027048 001*); 24 MONTHS $75,000

STERN, HERBERT; *PROGRAM FOR DEVELOPMENTAL BIOLOGY* (*B027386 001*); 12 MONTHS $52,500

STERN, HERBERT; *REGULATORY MECHANISMS IN MEIOSIS AND MITOSIS* (*B029562 X02*); 12 MONTHS $100,000

HOWELL, STEPHEN H; *CONTROL OF DNA METABOLISM IN CHLAMYDOMONAS* (*B030237*); 24 MONTHS $51,400

STERN, HERBERT; *WORKSHOP ON MOLECULAR TECHNIQUES IN DEVELOPMENTAL BIOLOGY* (*B032430 X00*); 12 MONTHS $49,500

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

PURVES, WILLIAM K; *CONTROL MECHANISMS IN CUCUMBER HYPOCOTYL DEVELOPMENT* (*B013219 001*); 24 MONTHS $47,000

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

DAVERN, CEDRIC I; *THE MECHANICS OF BACTERIAL CHROMOSOME REPLICATION* (*B031965*); 24 MONTHS $60,900

STANFORD UNIVERSITY-SCHOOL OF MEDICINE

LEDERBERG, JOSHUA; *A PROGRAM IN GENETICS AND MOLECULAR BIOLOGY* (*B008739 001*); 6 MONTHS $9,000

COHEN, STANLEY N; *REPLICATION AND TRANSFER OF R-FACTORS* (*B030581*); 24 MONTHS $65,000

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCRIPPS INSTITUTION OF OCEANOGRAPHY

EPEL, DAVID; *BIOCHEMISTRY OF FERTILIZATION AND EARLY DEVELOPMENT* (*B027139 001*); 12 MONTHS $20,100

UNIVERSITY OF CALIFORNIA, SAN FRANCISCO-SCHOOL OF MEDICINE

RUTTER, WILLIAM J; *CONTROL OF SYNTHESIS OF CELL-SPECIFIC PROTEINS* (*B014896 X02*); 3 MONTHS $31,400

UNIVERSITY OF SOUTHERN CALIFORNIA-SCHOOL OF MEDICINE

LIEB, MARGARET; *GENE INTERACTION IN BACTERIA AND PHAGE* (*B016893 001*); 24 MONTHS $45,000

MOSTELLER, R D; *REGULATION OF EXPRESSION OF THE TRYPTOPHAN OPERON OF ESCHERICHIA COLI- SIMULTANEOUS AND SEQUENTIAL DEREPRESSION* (*B029478 X01*); 12 MONTHS $25,000

CANADA

UNIVERSITY OF CALGARY

SANDERSON, KENNETH E; *MAINTENANCE OF A SALMONELLA GENETIC STOCK CENTRE* (*B020464 001*); 24 MONTHS $12,000

COLORADO

COLORADO STATE UNIVERSITY

TSUCHIYA, T; *MAINTENANCE OF A BARLEY GENETIC STOCK CENTER* (*B030493*); 24 MONTHS $40,000

UNIVERSITY OF COLORADO

HAM, RICHARD G; *CLONAL ANALYSIS OF DIFFERENTIATED MAMMALIAN CELLS* (*B018502 001*); 6 MONTHS $17,000

PORTER, KEITH R; *HIGH-VOLTAGE ELECTRON MICROSCOPY OF BIOLOGICAL MATERIALS* (*B027965 001*); 4 MONTHS $5,200

PORTER, KEITH; *CONFERENCE ON THE STRUCTURE AND ORGANIZATION OF HUMAN CHROMOSOMES* (*B031697*); 12 MONTHS $15,300

GOLDSTEIN, LESTER; *STUDY OF THE INVOLVEMENT OF PROTEINS AND RNAS IN INTERACTIONS BETWEEN NUCLEUS AND CYTOPLASM* (*B032009 X00*); 12 MONTHS $35,000

PICKETT-HEAPS, JEREMY D; *CELL DIVISION AND MORPHOGENESIS IN ALGAE AND LOWER PLANTS* (*B032034*); 24 MONTHS $40,000

PRESCOTT, DAVID M; *DNA OF THE HYPOTRICHOUS CILIATES* (*B032232*); 24 MONTHS $60,000

MCCONKEY, EDWIN H; *NUCLEOLAR FUNCTIONS- CELL-FREE RIBOSOME SYNTHESIS* (*B034247*); 24 MONTHS $55,000

CONNECTICUT

WESLEYAN UNIVERSITY

FIRSHEIN, WILLIAM; *MACROMOLECULAR BASIS FOR EUCARYOTIC DEVELOPMENT, A COHERENT AREA APPROACH* (*B034155 X00*); 12 MONTHS $135,000

YALE UNIVERSITY

SUSSEX, IAN M; *CHROMOSOMAL POLYTENY AND EMBRYO DEVELOPMENT* (*B008709 001*); 24 MONTHS $20,000

GAREN, ALAN; *GENETIC AND CHEMICAL STUDIES OF CELL DETERMINATION IN DROSOPHILA* (*B027611 001*); 12 MONTHS $72,000

DOANE, WINIFRED W, AND POULSON, DONALD F; *GENETIC REGULATORY MECHANISMS IN CELLULAR DIFFERENTIATION IN DROSOPHILA* (*B029276 001*); 24 MONTHS $70,000

LENGYEL, PETER; *INTERFERON, ANIMAL VIRUSES, AND PROTEIN SYNTHESIS* (*B030700 X00*); 12 MONTHS $96,000

LENGYEL, PETER; *INTERFERON, ANIMAL VIRUSES AND PROTEIN SYNTHESIS* (*B030700 X01*); 12 MONTHS $95,000

RUDDLE, FRANK H; *MOLECULAR APPROACHES TO GENE MAPPING IN MAN* (*B034303*); 24 MONTHS $75,000

YALE UNIVERSITY-SCHOOL OF MEDICINE

GEHRING, WALTER J; *DEVELOPMENTAL GENETICS OF IMAGINAL DISCS IN 'DROSOPHILA'* (*B017267 X02*); 12 MONTHS $42,900

ADELBERG, EDWARD A, AND BACHMANN, B J; *MAINTENANCE OF ESCHERICHIA COLI K12 STOCK CULTURE COLLECTION* (*B022866 001*); 12 MONTHS $38,400

MARCHESI, VINCENT T; *MOLECULAR TOPOGRAPHY OF CELL SURFACE RECEPTORS* (*B034301*); 24 MONTHS $85,000

DISTRICT OF COLUMBIA

HOWARD UNIVERSITY

DUTTA, S K; *COSIP D RESEARCH INITIATION - MITOCHONDRIAL GENE EXPRESSION IN MORPHOLOGICAL MUTANTS* (*Y010452*); 15 MONTHS $19,600

HOWARD UNIVERSITY-COLLEGE OF MEDICINE

AHLUWALIA, BALWANT S; *THE ROLE OF RETINOL IN SPERMATOGENESIS* (*B031328*); 12 MONTHS $8,000

FLORIDA

FLORIDA STATE UNIVERSITY

CROUSE, HELEN V, AND TAYLOR, J HERBERT; *CHROMOSOMES OF SCIARA* (*B008467 001*); 24 MONTHS $52,000

PAPANICOLAOU CANCER RESEARCH INSTITUTE

SMITH, DAVID S; *FINE STRUCTURE OF SENSORY AND MOTOR COMPONENTS OF THE INSECT NERVOUS SYSTEM* (*B012117 X02*); 12 MONTHS $25,000

UNIVERSITY OF MIAMI-SCHOOL OF MEDICINE

WERNER, RUDOLF; *MECHANISM OF DNA REPLICATION* (*B027130 001*); 24 MONTHS $80,000

WARREN, ROBERT H; *DEVELOPMENTAL ULTRASTRUCTURE OF STRIATED MUSCLE-CYTOSKELETAL SYSTEMS AND MYOFIBRIL ASSEMBLY* (*B032029*); 24 MONTHS $15,000

GEORGIA

ATLANTA UNIVERSITY CENTER

LUMB, JUDITH RAE; *A STUDY OF DEPRESSION AND MOUSE LYMPHOMAS* (*Y010465*); 15 MONTHS $23,800

UNIVERSITY OF GEORGIA

DURE, LEON S III; *BIOCHEMISTRY OF EMBRYOGENESIS AND GERMINATION* (*B016632 001*); 24 MONTHS $48,000

CARLTON, BRUCE C; *GENE-ENZYME STUDIES OF BACILLUS SUBTILIS* (*B030606*); 12 MONTHS $14,500

GILES, NORMAN H; *GENETIC AND BIOCHEMICAL STUDIES ON AROMATIC METABOLISM IN SELECTED PHOTOSYNTHETIC ORGANISMS* (*B035036*); 24 MONTHS $40,000

EMORY UNIVERSITY-SCHOOL OF MEDICINE

SCOTT, JUNE R; *INTERACTION OF AN EXTRACHROMOSOMAL PROPHAGE WITH ITS HOST* (B016229 001); 24 MONTHS $30,000

HAWAII

UNIVERSITY OF HAWAII

HUMPHREYS, TOM D II; *BIOCHEMICAL BASIS OF SPECIFIC CELL ASSOCIATION* (B031618); 3 MONTHS $9,900

HUMPHREYS, TOM D II; *BIOCHEMICAL BASIS OF SPECIFIC CELL ASSOCIATION* (B031618 001); 24 MONTHS $45,300

ILLINOIS

CHICAGO HORTICULTURAL SOCIETY

BEADLE, GEORGE W; *SEED COLLECTION AND MUTATION RESEARCH IN TEOSINTE (CORN RELATED) POPULATIONS* (B031096); 14 MONTHS $6,600

NORTHWESTERN UNIVERSITY

BURNETT, ALLISON L; *CONTROL OF CELLULAR DIFFERENTIATION IN HYDRA* (B017917 001); 3 MONTHS $500

UNIVERSITY OF CHICAGO

LEWONTIN, RICHARD C; *GENETIC HETEROZYGOSITY IN NATURAL POPULATIONS* (B007135 X05); 12 MONTHS $48,100

CHIANG, KWEN-SHENG; *MOLECULAR MECHANISM OF NON-MENDELIAN INHERITANCE* (B019338 001); 24 MONTHS $50,000

FISCHMAN, DONALD A; *MYOFIBRILLAR ASSEMBLY IN CARDIAC MUSCLE* (B024586 001); 12 MONTHS $12,000

STRAUSS, BERNARD S; *STUDIES ON THE IN VIVO PRODUCTION OF BREAKS IN THE DNA OF EUCARYOTIC CELLS* (B029491 X01); 12 MONTHS $28,100

COHEN, MORREL H, AND ROBERTSON, ANTHONY D J; *THE CONTROL OF DEVELOPMENT* (B030784); 24 MONTHS $51,000

ROIZMAN, BERNARD; *ADVISORY AND PLANNING STUDY FOR THE DEVELOPMENT OF CELL CULTURE FACILITIES* (B031938); 12 MONTHS $8,000

COZZARELLI, NICHOLAS R; *DNA SYNTHESIS AND REPAIR IN BACTERIA AND BACTERIOPHAGE* (B03224[illegible]); 24 MONTHS $55,100

UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE

CHEN, SHEPLEY S C; *CHANGES IN DORMANT SEEDS DURING DRY STORAGE* (B030750); 24 MONTHS $14,000

UNIVERSITY OF ILLINOIS AT URBANA

WHITT, GREGORY S; *DIFFERENTIAL GENE FUNCTION DURING CELLULAR DIFFERENTIATION* (B016425 001); 24 MONTHS $41,000

REICHMANN, MANFRED E; *VIRUS MULTIPLICATION* (B029477 X01); 12 MONTHS $25,000

STEFFENSEN, DALE M; *GENETIC AND BIOCHEMICAL STUDIES WITH DROSOPHILA RIBOSOMES AND TRANSFER RNA* (B029603 X01); 12 MONTHS $30,600

DRAKE, JOHN W; *STUDIES ON MUTATION* (B030604 X00); 12 MONTHS $25,000

LAMBERT, R J; *MAINTENANCE OF GENETIC AND CHROMOSOMAL TESTER STOCKS OF MAIZE* (B031660 X00); 12 MONTHS $34,700

STOCUM, DAVID L; *MORPHOGENETIC CONTROL DURING AMPHIBIAN LIMB REGENERATION* (B034170); 24 MONTHS $14,900

REICHMANN, M E; *DEFECTIVE PARTICLES IN VIRUS INFECTION* (B034171); 24 MONTHS $40,000

WIDHOLM, JACK M; *GENETIC TRANSFORMATION WITH CULTURED PLANT CELL MUTANTS* (B034717); 12 MONTHS $17,000

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

WHITE, DAVID; *MORPHOGENESIS IN THE FRUITING MYXOBACTERIA* (B020516 001); 24 MONTHS $31,000

STARR, RICHARD C; *MAINTENANCE OF A CULTURE COLLECTION OF ALGAE* (B020680 001); 24 MONTHS $43,300

BRIGGS, ROBERT, HUMPHREY, R R, MALACINSKI, G M, AND SCHAIBLE, R; *GENETIC STOCKS OF THE AXOLOTL* (B030488 X00); 12 MONTHS $28,000

LANDSBERGER, FRANK R; *MAGNETIC RESONANCE STUDIES OF MEMBRANES, ENVELOPED VIRUSES, AND VIRUS-MEMBRANE INTERACTIONS* (B034297); 24 MONTHS $90,900

PURDUE UNIVERSITY

SMITH, L DENNIS; *NUCLEO-CYTOPLASMIC INTERACTIONS IN CELL DIFFERENTIATION* (B008741 001); 24 MONTHS $44,400

CLEVER, ULRICH; *CHROMOSOMAL ACTIVITY AND THE GENOMIC CONTROL OF CELL FUNCTION AND DEVELOPMENT IN POLYTENIC CELLS* (B014450 001); 24 MONTHS $109,900

JAFFE, LIONEL F; *ELECTRICAL CURRENTS THROUGH DEVELOPING EGGS* (B017571 X01); 12 MONTHS $40,000

ARONSON, ARTHUR I; *MACROMOLECULE SYNTHESIS DURING EARLY SEA URCHIN EMBRYO DEVELOPMENT* (B017947 001); 24 MONTHS $58,000

IOWA

IOWA STATE UNIVERSITY OF SCIENCE & TECHNOLOGY

WELSHONS, W J; *INTRAGENIC RECOMBINATION, POSITION EFFECTS, AND DOSAGE COMPENSATION AT THE NOTCH LOCUS OF DROSOPHILA* (B030744); 24 MONTHS $40,100

UNIVERSITY OF IOWA

FRANKEL, JOSEPH; *A MUTATIONAL STUDY OF CORTICAL DEVELOPMENT IN TETRAHYMENA* (B032408 X00); 12 MONTHS $26,600

WALKER, DONALD H JR· *CONTROL OF CAPSID FORMATION AND DNA-PACKAGING IN BACTERIAL VIRUSES* (B034242); 24 MONTHS $45,000

LOUISIANA

LOUISIANA STATE UNIVERSITY, BATON ROUGE

BOWDEN, JOE A; *STUDIES ON THE GENETIC DEFECT IN BRANCHED-CHAIN KETOACIDURIA* (B034161); 24 MONTHS $40,000

SOUTHERN UNIVERSITY

ROBINSON, FLORENCE TAYLOR; *COSIP D RESEARCH INITIATION - PATTERNS OF GERM CELL MIGRATION AS EXHIBITED BY THE RAPTILIA* (Y010470); 15 MONTHS $19,400

MAINE

JACKSON LABORATORY

GREEN, MARGARET; *MAINTENANCE OF A MOUSE MUTANT STOCK CENTER* (B027487 001); 12 MONTHS $53,000

MARYLAND

AMERICAN TYPE CULTURE COLLECTION

CLARK, WILLIAM A; *CURATORIAL SUPPORT FOR THE AMERICAN TYPE CULTURE COLLECTION* (B027390 001); 12 MONTHS $100,000

ATOMIC ENERGY COMMISSION

YOURNO, JOSEPH D; *FRAMESHIFT MUTAGENESIS BY ICR COMPOUNDS IN 'SALMONELLA TYPHIMURIUM'* (AG00280); 24 MONTHS $32,000

JOHNS HOPKINS UNIVERSITY-SCHOOL OF MEDICINE

KELLY, THOMAS J JR; *VIRAL DNA MOLECULES* (B034163); 24 MONTHS $75,000

CUATRECASAS, PEDRO; *MOLECULAR TOPOGRAPHY OF CELL SURFACE RECEPTORS* (B034300); 24 MONTHS $118,500

MASSACHUSETTS

BOSTON UNIVERSITY

STRIGINI, PAOLO; *RIBOSOMAL ROLE IN INFORMATIONAL SUPPRESSION* (B031696); 7 MONTHS $6,600

WALTERS, DAVID R; *CELL ADHESION DURING INSECT DEVELOPMENT* (B032279); 24 MONTHS $26,000

BRANDEIS UNIVERSITY

FULTON, CHANDLER; *CELL DIFFERENTIATION AND ORGANELLE MORPHOGENESIS* (B016334 001); 24 MONTHS $71,200

CASPAR, DONALD L D; *DIFFERENTIATED MEMBRANE ASSEMBLY AND INTERACTIONS* (B034326); 24 MONTHS $80,900

CHILDRENS CANCER RESEARCH FOUNDATION

CASPAR, DONALD L D; *DIFFERENTIATED MEMBRANE ASSEMBLY AND INTERACTIONS* (B034327); 12 MONTHS $28,900

HARVARD UNIVERSITY

MESELSON, MATTHEW S; *GENETIC RECOMBINATION, BIOCHEMISTRY OF DNA, AND RIBOSOMES AND MESSENGER RNA* (B007768 X02); 12 MONTHS $126,500

LEVINE, R P; *THE GENETIC CONTROL OF CHLOROPLAST STRUCTURE AND FUNCTION IN 'CHLAMYDOMONAS' REINHARDI* (B018666 001); 24 MONTHS $50,000

PTASHNE, MARK; *REPRESSORS, OPERATORS, AND GENE CONTROL* (B029627 X01); 12 MONTHS $94,000

STROMINGER, JACK L; *BACTERIAL SPORE WALL SYNTHESIS AS A MODEL OF A DEVELOPMENTAL PROCESS* (B030690 X00); 12 MONTHS $59,000

THOMAS, C A JR; *MOLECULAR CYTOGENETICS* (B031118 X00); 12 MONTHS $126,000

RAPER, JOHN R; *INEFFICIENT ENERGY CONSERVATION IN THE B-MUTANT :SCHIZOPHYLLUM:* (B031441); 24 MONTHS $50,000

BRENNER, MICHAEL; *BIOCHEMISTRY AND GENETICS OF DEVELOPMENT OF THE CELLULAR SLIME MOLD* (B032042); 24 MONTHS $50,000

SCHACHNER, MELITTA; *DISTRIBUTION OF ANTIGENIC DETERMINANTS ON BRAIN CELL SURFACES* (B034186); 24 MONTHS $65,900

BOGORAD, LAWRENCE; *INTRACELLULAR RELATIONSHIPS IN THE DEVELOPMENT OF EUCARYOTIC CELLS* (B034205); 12 MONTHS $23,400

HARRISON, STEPHEN C, AND WILEY, DON C; *DIFFERENTIATED MEMBRANE ASSEMBLY AND INTERACTIONS* (B0[illegible]273); 24 MONTHS $27,000

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

BELL, EUGENE; *MOLECULAR STUDIES OF DIFFERENTIATING CELLS* (B027326 X01); 12 MONTHS $20,000

LODISH, HARVEY F; *PROTEIN BIOSYNTHESIS DURING DEVELOPMENT OF CELLULAR SLIME MOLDS (B029308 X01)*; 12 MONTHS $50,000

INGRAM, VERNON M; *DETERMINATION AND DIFFERENTIATION OF EMBRYONIC ERYTHROPOIESIS IN CELL CULTURES (B030970 X00)*; 12 MONTHS $91,400

FOX, MAURICE S; *STRUCTURE AND FATE OF UNDUPLICATED RECOMBINANTS OF BACTERIOPHAGE LAMBDA (B033622)*; 24 MONTHS $50,000

RETINA FOUNDATION

WRIGHT, BARBARA E, AND THOMAS, DAVID A; *THE MECHANISM OF ENHANCED ENZYME LEVELS DURING DIFFERENTIATION (B032028)*; 24 MONTHS $20,600

TUFTS UNIVERSITY

SIEGEL, ELI C; *MUTATOR GENES OF 'ESCHERICHIA COLI'- MUTATION AND DNA REPAIR (B014279 002)*; 24 MONTHS $53,100

HARVARD UNIVERSITY-HARVARD MEDICAL SCHOOL

FRAENKEL, DAN G; *BIOCHEMICAL GENETICS OF GLYCOLYSIS AND THE HEXOSE MONOPHOSPHATE SHUNT IN BACTERIA (B032284 X00)*; 12 MONTHS $45,100

HUANG, ALICE S; *DIFFERENTIATED MEMBRANE ASSEMBLY AND INTERACTIONS (B034266)*; 24 MONTHS $32,500

GOODENOUGH, DANIEL A; *DIFFERENTIATED MEMBRANE ASSEMBLY AND INTERACTIONS (B034295)*; 24 MONTHS $92,700

TUFTS UNIVERSITY-SCHOOL OF MEDICINE

MALAMY, MICHAEL H; *MECHANISMS OF TRANSLATIONAL CONTROL DURING BACTERIOPHAGE T7 DEVELOPMENT AND ITS INHIBITION BY F FACTORS (B029480 X01)*; 12 MONTHS $30,000

MICHIGAN

MICHIGAN STATE UNIVERSITY

SNYDER, LOREN R; *MECHANISMS OF THE CONTROL OF RNA SYNTHESIS (B030580)*; 24 MONTHS $23,400

OAKLAND UNIVERSITY

BUTTERWORTH, FRANCIS M; *HORMONAL AND GENETIC CONTROL OF DEVELOPMENT OF LARVAL ADIPOSE TISSUE OF DROSOPHILA MELANOGASTER (B012969 001)*; 4 MONTHS $5,300

UNIVERSITY OF MICHIGAN

SUSSMAN, ALFRED S; *DEVELOPMENTAL PROCESSES IN NEUROSPORA (B006811 X03)*; 12 MONTHS $44,500

DAVIS, ROWLAND; *METABOLIC CHANNELING IN NEUROSPORA (B013398 001)*, 24 MONTHS $85,000

BERNS, MICHAEL W; *LASER MICROBEAM STUDIES ON CHROMOSOMES (B024457 001)*; 24 MONTHS $50,000

NACE, GEORGE W; *DEVELOPMENT OF DEFINED AMPHIBIAN STRAINS (B031544)*; 12 MONTHS $10,000

UNIVERSITY OF MICHIGAN-MEDICAL SCHOOL

FRIEDMAN, DAVID I; *HOST AND VIRAL INFLUENCES ON PHAGE LAMBDA REPLICATION (B029595 X01)*; 12 MONTHS $25,000

CHU, ERNEST H Y; *MOLECULAR APPROACHES TO GENE MAPPING IN MAN (B034302)*; 24 MONTHS $39,600

MINNESOTA

ROSENBERG, MURRAY D; *OTHER PROGRAM AWARDS (01AWDS)*; 9 MONTHS $34,260

UNIVERSITY OF MINNESOTA

GRAY, ERNEST D; *MOLECULAR EVENTS DURING CELL DIFFERENTATION IN A PRIMITIVE MODEL SYSTEM (B012441 003)*, 24 MONTHS $43,000

ENFIELD, FRANKLIN D; *POPULATION AND QUANTITATIVE GENETIC STUDIES OF ELECTROPHORETIC VARIANTS IN TRIBOLIUM CASTANEUM (B012751 001)*, 24 MONTHS $30,700

HARTL, D L; *GENETIC AND POPULATION STUDIES OF SEGREGATION DISTORTION (B018786 001)*; 24 MONTHS $40,000

ZISSLER, JAMES F; *GENETIC RECOMBINATION IN VIRUSES (B020677 001)*; 24 MONTHS $50,000

DWORKIN, MARTIN; *DEVELOPMENTAL BIOLOGY OF A FRUITING MYXOBACTERIUM (B029336 X01)*, 12 MONTHS $23,700

SNYDER, L A; *USE OF FEMALE STERILE MUTANTS IN EARLY DEVELOPMENT IN DROSOPHILA (B032352)*, 12 MONTHS $10,000

MISSOURI

UNIVERSITY OF MISSOURI, COLUMBIA

EISENSTARK, ABRAHAM; *MUTAGENIC AND LETHAL DAMAGE TO RECOMBINATIONLESS MUTANTS BY VISIBLE LIGHT AND BY TRYPTOPHAN PHOTOPRODUCTS (B033869)*, 24 MONTHS $40,000

WASHINGTON UNIVERSITY

LEVI-MONTALCINI, RITA; *IN-VIVO AND IN-VITRO ANALYSIS OF THE INSECT NERVOUS SYSTEM (B016330 X01)*; $11,400

LEVI-MONTALCINI, RITA; *IN-VIVO AND IN-VITRO ANALYSIS OF THE INSECT NERVOUS SYSTEM (B016330 X02)*; 12 MONTHS $25,100

KENNELL, DAVID E; *GENE EXPRESSION OF BACTERIA AND BACTERIAL VIRUSES (B019198 001)*, 24 MONTHS $55,000

SILVER, SIMON D; *POTASSIUM AND MANGANESE TRANSPORT SYSTEMS AS CONTROLLING ELEMENTS IN THE BACILLUS SUBTILIS CYCLE OF SPORE FORMATION AND GERMINATION (B031367)*; 24 MONTHS $80,000

APIRION, DAVID; *GENETIC AND STRUCTURAL STUDIES OF 'E. COLI' RIBOSOMES (B034158)*, 12 MONTHS $40,000

NEW JERSEY

PRINCETON UNIVERSITY

COX, EDWARD C; *'ESCHERICHIA COLI' MUTATOR GENES (B012963 001)*, 12 MONTHS $10,000

MEINS, FREDERICK JR; *HERITABLE CHANGES IN THE TUMOR STATE OF PLANTS (B017916 001)*; 24 MONTHS $39,000

TOMPKINS, ROBERT; *DEVELOPMENTAL GENETICS AND BIOCHEMISTRY OF BEHAVIOR (B030599)*; 24 MONTHS $16,200

STEINBERG, MALCOLM S; *CONTROLS GOVERNING ORGANIZATIONAL BEHAVIOR OF EMBRYONIC AND MALIGNANT CELLS (B030898)*, 12 MONTHS $20,000

WORCEL, ABRAHAM; *MECHANISM OF CONTROL OF DNA REPLICATION IN E. COLI (B032036)*; 24 MONTHS $65,000

BONNER, JOHN T; *DEVELOPMENT IN THE CELLULAR SLIME MOLDS (B033439 X00)*; 12 MONTHS $32,000

RUTGERS UNIVERSITY

CHAMPE, SEWELL P; *GENETIC AND BIOCHEMICAL STUDIES OF THE CLEAVAGE OF BACTERIOPHAGE PROTEINS (B033564)*; 24 MONTHS $48,000

NEW YORK

COLD SPRING HARBOR LAB OF QUANTITATIVE BIOLOGY

ZIPSER, DAVID; *POLAR MUTANTS AND LAC OPERON FUNCTION (B032041 X00)*; 12 MONTHS $44,300

COLUMBIA UNIVERSITY

ZUBAY, GEOFFREY L; *CONTROL OF BACTERIAL OPERONS IN CELL-FREE SYSTEMS (B018733 001)*, 12 MONTHS $15,000

DARNELL, JAMES E; *THE USE OF RNA VIRUSES IN THE STUDY OF CELL BIOLOGY (B027691 X01)*; 12 MONTHS $33,900

WECHSLER, JAMES ALAN; *CONTROL AND MECHANISM OF 'IN VIVO' DNA REPLICATION (B032417)*; 24 MONTHS $30,000

DOWNSTATE MEDICAL CENTER AT BROOKLYN

BERNHEIMER, HARRIET P; *RECOMBINATION BY ADDITION IN TRANSFORMATION REACTIONS IN PNEUMOCOCCUS (B034157)*; 12 MONTHS $29,200

MT SINAI SCHOOL OF MEDICINE

CAPRA, J DONALD, AND KEHOE, J MICHAEL; *AN IMMUNOCHEMICAL AND IMMUNOGENETIC STUDY OF HUMAN Y GLOBULINS (B017046 001)*, 24 MONTHS $85,000

LEVITAN, MAX; *CYTOGENETIC STUDIES BEARING ON THE ORGANIZATION OF THE GENOME (B029417 X01)*, 12 MONTHS $20,000

NEW YORK UNIVERSITY

KAMBYSELLIS, MICHAEL P; *STUDIES IN DEVELOPMENT OF INSECT CELLS (B034168)*, 24 MONTHS $30,200

PUBLIC HEALTH RESEARCH INSTITUTE OF NEW YORK

OISHI, MICHIO; *MOLECULAR EVENTS ASSOCIATED WITH GENE FUNCTION, DNA REPLICATION AND RECOMBINATION (B014313 002)*, 12 MONTHS $46,000

DUBNAU, DAVID A; *INTEGRATION OF TRANSFORMING DNA IN 'BACILLUS SUBTILIS' (B018146 001)*, 24 MONTHS $64,600

ROCKEFELLER UNIVERSITY

HOTCHKISS, ROLLIN D, AND ROGER, MURIEL; *STRUCTURAL PARAMETERS GOVERNING DNA ACTIVITY IN TRANSFORMATION AND RECOMBINATION (B006696 001)*; 24 MONTHS $90,300

ZINDER, NORTON D; *GENETIC AND PHYSIOLOGICAL STUDIES OF SMALL BACTERIOPHAGES (B029626 X01)*; 12 MONTHS $150,700

VOELLER, BRUCE R; *DEVELOPMENTAL AND EVOLUTIONARY STUDIES OF PTERIDOPHYTES (B030611)*, 24 MONTHS $71,500

ZINDER, NORTON D; *CONFERENCE ON THE STRUCTURE AND ORGANIZATION OF SURFACES OF HUMAN CELLS, ROCKEFELLER UNIVERSITY, DECEMBER 10-12, 1971 (B031677)*; 12 MONTHS $8,700

SLOAN-KETTERING INSTITUTE

LENARD, JOHN; *STRUCTURE OF SOME ENVELOPED VIRUSES AND THEIR INTERACTIONS WITH CELL MEMBRANES (B034298)*, 24 MONTHS $38,600

HAMMERLING, ULRICH; *DISTRIBUTION OF ANTIGENIC DETERMINANTS ON BRAIN CELL SURFACES (B034299)*, 24 MONTHS $28,500

STATE UNIVERSITY AT ALBANY

SAUNDERS, JOHN W JR; *ECTODERM-MESODERM INTERACTIONS IN DEVELOPMENT (B006638 X03)*; 12 MONTHS $39,000

FLYNN, JAMES J, AND MASCARENHAS, JOSEPH P; *SYNTHESIS OF POLYSACCHARIDES AND THEIR INCORPORATION INTO THE POLLEN TUBE CELL WALL* (B033805); 24 MONTHS $25,000

SYRACUSE UNIVERSITY

BALBINDER, ELIAS; *REGULATORY ELEMENTS OF THE TRYPTOPHAN OPERON* (B017600 001); 21 MONTHS $71,000

SULLIVAN, DAVID T; *DEVELOPMENTAL BIOLOGY OF TRYPTOPHAN METABOLISM IN DROSOPHILA- GENETIC AND BIOCHEMICAL CHARACTERIZATION OF KYURENINE HYDROXYLASE* (B029469 X01); 12 MONTHS [illegible]

MILLER, JOHN H; *MORPHOGENETIC FACTORS IN THE DEVELOPMENT OF FERN* (B033916); 24 MONTHS $48,000

UNION COLLEGE

RAPPAPORT, RAYMOND JR; *EXPERIMENTAL STUDIES ON THE MECHANISMS OF CYTOKINESIS IN ANIMAL CELLS* (B014743 X03); 12 MONTHS $4,400

UNIVERSITY OF ROCHESTER

HATTMAN, STANLEY; *CONTROL-MECHANISMS IN PHAGE-HOST CELL INTERACTIONS* (B032125); 24 MONTHS $65,000

GOROVSKY, MARTIN A; *STUDIES ON DNA MODIFICATION IN A EUKARYOTE* (B033716); 24 MONTHS $70,000

KAYE, JEROME S, AND MCMASTER-KAYE, RACHEL; *BASIC PROTEINS IN SPERMATIDS AND CHROMATIN STRUCTURE* (B033717); 24 MONTHS $47,000

COLUMBIA UNIVERSITY-COLLEGE OF PHYSICIANS AND SURGEONS

MARKS, PAUL A, AND RIFKIND, RICHARD A; *ERYTHROID CELL DIFFERENTIATION AND MATURATION* (B027388 X01); 12 MONTHS $61,800

CORNELL UNIVERSITY-AGRICULTURAL EXPERIMENT STATION

BRUNS, PETER J; *CONTROL OF GENE ACTIVITY IN CILIATES* (B029715 001); 12 MONTHS $19,900

CORNELL UNIVERSITY-MEDICAL COLLEGE

BENNETT, DOROTHEA; *GENETIC CONTROL OF EMBRYONIC AND CELLULAR DIFFERENTIATION- MODEL SYSTEM IN T-LOCUS MUTANTS* (B033804 X00); 12 MONTHS $70,000

YESHIVA UNIVERSITY-ALBERT EINSTEIN COLLEGE OF MEDICINE

LEVINE, ELLIOT M; *MOLECULAR BIOLOGY OF CELLULAR INTERACTIONS* (B017732 001); 12 MONTHS $22,000

EAGLE, HARRY; *PH REGULATION OF CELLULAR GROWTH AND METABOLISM* (B024175 001); 24 MONTHS $50,000

SHAPIRO, LUCILLE; *STUDIES OF 'CAULOBACTER'- BACTERIOPHAGE INFECTION AND DIFFERENTIATION* (B028523 X01); 12 MONTHS $35,000

SCHARFF, MATTHEW D; *THE SOMATIC CELL GENETICS OF IMMUNOGLOBULIN PRODUCTION* (B029560 X01); 12 MONTHS $51,000

BROOKLYN BOTANIC GARDEN-KITCHAWAN RESEARCH LABORATORY

YOMO, HARUGORO; *CONTROL OF AMYLASES AND PROTEASES IN THE COTYLEDON OF GERMINATING PEAS AND BEANS* (B032196); 24 MONTHS $23,500

NORTH CAROLINA

DAVIDSON COLLEGE

KIMMEL, DONALD L JR; *EXPRESSION OF THE VERMILION LOCUS DURING DROSOPHILA MELANOGASTER DEVELOPMENT* (B031022); 12 MONTHS $13,500

DUKE UNIVERSITY

BOYNTON, JOHN E, AND GILLHAM, NICHOLAS W; *HEREDITARY CONTROL OF ORGANELLE STRUCTURE AND FUNCTION* (B022769 001); 24 MONTHS $95,000

NORTH CAROLINA STATE UNIVERSITY AT RALEIGH

GERSTEL, D U; *THE FORMATION OF GIANT CHROMOSOMES* (B014000 001); 6 MONTHS $5,000

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

PENNISTON, JOHN T; *MOLECULAR BIOLOGY OF ENDOCYTOSIS, A SIMPLIFIED SYSTEM* (B033807); 24 MONTHS $33,000

STAFFORD, DARREL W; *CONTROL OF RRNA TRANSCRIPTION* (B034116); 12 MONTHS $27,100

DUKE UNIVERSITY-SCHOOL OF MEDICINE

GROSS, SAMSON R; *REGULATORY MECHANISMS OF ENZYME SYNTHESIS AND FUNCTION IN NEUROSPORA* (B027575 X01); 12 MONTHS $61,500

OHIO

BOWLING GREEN STATE UNIVERSITY

OSTER, IRWIN I; *MAINTENANCE OF A 'DROSOPHILA MELANOGASTER' STOCK CENTER* (B029140 001); 12 MONTHS $46,600

CASE WESTERN RESERVE UNIVERSITY

ILAN, JOSEPH; *PROTEIN SYNTHESIS DURING METAMORPHOSIS OF 'TENEBRIO MOLITOR'* (B030906); 17 MONTHS $8,700

OKLAHOMA

LANGSTON UNIVERSITY

WASHINGTON, ARTHUR C; *BLACK COLLEGES (FOUR-YEAR)* (Y010447); 36 MONTHS $48,600

OREGON

OREGON STATE UNIVERSITY

BROOKES, VICTOR J; *BIOCHEMISTRY OF INSECT DEVELOPMENT* (B014003 001); 12 MONTHS $14,000

QUATRANO, RALPH S; *POLARITY AS A MECHANISM OF CELLULAR DIFFERENTIATION* (B014835 002); 24 MONTHS $42,000

UNIVERSITY OF OREGON - EUGENE

BAJER, ANDREW S; *CHROMOSOME MOVEMENTS AND FINE STRUCTURE OF THE SPINDLE* (B024996 X01); $10,000

WESTON, JAMES A; *MIGRATION AND DIFFERENTIATION OF NEURAL CREST CELLS* (B030554); 24 MONTHS $55,000

PENNSYLVANIA

INSTITUTE FOR CANCER RESEARCH

PERRY, ROBERT P; *SYNTHESIS, ORGANIZATION, AND FUNCTION OF RIBONUCLEIC ACID* (B030721 X00); 12 MONTHS $70,300

PERRY, ROBERT P; *SYNTHESIS, ORGANIZATION, AND FUNCTION OF RIBONUCLEIC ACID* (B030721 X01); 12 MONTHS $58,000

TARTOF, KENNETH D; *REGULATION OF GENE REPLICATION AND GENE MULTIPLICITY* (B032487); 24 MONTHS $65,000

MEDICAL COLLEGE OF PENNSYLVANIA

DI BERARDINO, MARIE A; *ANALYSIS OF CELLULAR COMPONENTS DURING DEVELOPMENT* (B019631 X01); 12 MONTHS $30,000

TEMPLE UNIVERSITY

BROWNSTEIN, BARBARA L; *GENETIC CONTROL OF RIBOSOME SYNTHESIS AND FUNCTION* (B021414 001); 24 MONTHS $50,600

UNIVERSITY OF PENNSYLVANIA

TELFER, WILLIAM H; *DEVELOPMENTAL CHANGES IN PROTEIN SYNTHESIS AND TRANSPORT IN OVARIAN FOLLICLES OF THE CECROPIA MOTH* (B008568 002); 22 MONTHS $39,000

GOODGAL, SOL H; *GENETIC CONTROL OF THE LIGHT SENSORY RESPONSE OF PHYCOMYCES* (B008680 001); 24 MONTHS $65,500

INOUE, SHINYA; *FINE STRUCTURE IN LIVING CELLS* (B031739 X00); 12 MONTHS $50,000

TEMPLE UNIVERSITY-SCHOOL OF MEDICINE

HIGGINS, MICHAEL L; *CELL DIVISION AND SURFACE GROWTH IN A 'MODEL' PROKARYOTIC CELL* (B031920); 24 MONTHS $16,000

UNIVERSITY OF PITTSBURGH-SCHOOL OF MEDICINE

PHILLIPS, STEPHEN L; *RIBOSOME BIOSYNTHESIS AND POLYRIBOSOME METABOLISM IN YEAST* (B026315 X01); 12 MONTHS $17,000

NAKADA, DAISUKE; *STIMULATION OF RNA SYNTHESIS BY RIBOSOMAL PROTEIN* (B033809); 24 MONTHS $45,000

RHODE ISLAND

BROWN UNIVERSITY

ROTHMAN, FRANK G; *REGULATION OF GENE EXPRESSION IN THE CELLULAR SLIME MOLD DICTYOSTELIUM DISCOIDEUM* (B033461); 24 MONTHS $60,000

GORDON RESEARCH CONFERENCES

CRUICKSHANK, ALEXANDER; *GORDON RESEARCH CONFERENCE ON DEVELOPMENTAL BIOLOGY* (B032806); 12 MONTHS $4,000

CRUICKSHANK, ALEXANDER; *GORDON RESEARCH CONFERENCE ON DEVELOPMENTAL BIOLOGY* (B032806 001); 11 MONTHS $1,000

CRUICKSHANK, ALEXANDER M; *CONFERENCE ON BIOLOGICAL REGULATORY MECHANISMS* (B032961); 12 MONTHS $3,500

CRUICKSHANK, ALEXANDER M; *GORDON RESEARCH CONFERENCE ON MOLECULAR PATHOLOGY* (B032962); 12 MONTHS $3,500

TENNESSEE

UNIVERSITY OF TENNESSEE, KNOXVILLE

WALNE, PATRICIA L; *DEVELOPMENT AND CHARACTERIZATION OF THE EYESPOT IN EUGLENOID FLAGELLATES* (B012432 002); 27 MONTHS $30,500

HOCHMAN, BENJAMIN; *GENETICS, CYTOLOGY AND DEVELOPMENTAL EFFECTS OF CHROMOSOME 4 IN DROSOPHILA MELANOGASTER* (B034278); 24 MONTHS $20,000

VANDERBILT UNIVERSITY

BIBRING, THOMAS; *MICROTUBULE PROTEIN IN MITOSIS AND DEVELOPMENT* (B017741 001); 24 MONTHS $49,000

TEXAS

BISHOP COLLEGE

FOWLKS, EDISON R; *COSIP D RESEARCH INITIATION - MOLECULAR BIOLOGY OF MULTIPLE VERUSES (Y010466)*; 15 MONTHS $23,000

UNIV OF TEX MD ANDRSN HOSP & TUM INST AT HUSTN

STUBBLEFIELD, T E; *PROTEIN SYNTHESIS IN SYNCHRONIZED CELLS (B016250 001)*; 5 MONTHS $6,000

UNIV OF TEXAS AT AUSTIN

WAGNER, ROBERT P; *STUDIES IN BIOCHEMICAL GENETICS (B030596)*; 12 MONTHS $45,000

BLOCH, DAVID P; *BUOYANT DENSITY BANDING OF CHROMATIN IN CHLORAL HYDRATE GRADIENTS (B030749)*; 24 MONTHS $31,000

JUDD, BURKE H; *CYTOGENETIC STUDIES OF DROSOPHILA MELANOGASTER (B034887)*; 24 MONTHS $72,300

UNIV OF TEXAS AT DALLAS

GUTZ, HERBERT; *MOLECULAR GENETICS OF YEAST (B015148 001)*; 24 MONTHS $50,000

UTAH

HANLY, E W; *OTHER PROGRAM AWARDS (01AWDS)*; 12 MONTHS $34,500

VERMONT

MIDDLEBURY COLLEGE

SAUL, GEORGE B; *MAINTENANCE OF A MORMONIELLA STOCK CENTER (B016132 001)*; 24 MONTHS $30,000

VIRGINIA

UNIVERSITY OF VIRGINIA

KONIGSBERG, IRWIN R; *ROLE OF COLLAGEN IN THE DEVELOPMENT OF MUSCLE CLONES 'IN VITRO' (B005963 003)*; 12 MONTHS $50,000

REBHUN, LIONEL I; *MOLECULAR ANATOMY, STRUCTURE AND ASSEMBLY OF INTERNAL MOTILE SYSTEMS IN CELLS (B008682 X02)*; 12 MONTHS $41,100

BODENSTEIN, DIETRICH; *DIFFERENTIATION AND PROBLEMS OF NEURO-DEVELOPMENT IN INSECTS AND LOWER VERTEBRATES (B020167 X02)*; 12 MONTHS $14,900

KADNER, ROBERT J; *GENETIC CONTROL OF AMINO ACID TRANSPORT (B022992 X01)*; 12 MONTHS $18,000

VIRGINIA POLYTECHNIC INSTITUTE

ROSS, MARY H; *GENETIC STOCK CENTER FOR THE 'BLATTELLA GERMANICA' (B028954 001)*; 12 MONTHS $19,600

UNIVERSITY OF VIRGINIA-SCHOOL OF MEDICINE

FLICKINGER, CHARLES J; *ORIGIN AND RELATIONSHIPS OF CYTOPLASMIC MEMBRANES (B032285)*; 24 MONTHS $31,000

WASHINGTON

UNIVERSITY OF WASHINGTON

STADLER, DAVID R; *RECOMBINATION AND GENE FUNCTIONS OF MICROORGANISMS (B018412 001)*; 8 MONTHS $26,300

STADLER, DAVID R; *RECOMBINATION AND GENE FUNCTION IN MICROORGANISMS (B018412 002)*; 24 MONTHS $80,000

KELLER, JOHN M; *CHANGES IN ANIMAL CELL MEMBRANES DURING MITOSIS (B019675 001)*; 24 MONTHS $31,000

LAIRD, CHARLES D; *CHROMOSOME STRUCTURE AND FUNCTION (B030600)*; 24 MONTHS $80,000

CLELAND, ROBERT E; *CONTROL OF DEVELOPMENT IN THE RED ALGA GRIFFITHSIA PACIFICA (B031937)*; 24 MONTHS $25,000

UNIVERSITY OF WASHINGTON-SCHOOL OF MEDICINE

NAMEROFF, MARK A; *MICROENVIRONMENTAL CONTROL OF MYOGENESIS (B031979)*; 12 MONTHS $18,000

FALKOW, STANLEY; *EVOLUTION OF BACTERIAL PLASMIDS (B032416)*; 12 MONTHS $40,000

WISCONSIN

SOCIETY FOR DEVELOPMENTAL BIOLOGY

RUDDLE, FRANK H; *SYMPOSIUM ON GENETIC MECHANISMS OF DEVELOPMENT (B032191)*; 12 MONTHS $6,000

UNIVERSITY OF WISCONSIN, MADISON

AUERBACH, ROBERT; *CONTROL MECHANISMS IN LYMPHOID DIFFERENTIATION (B006637 X03)*; 12 MONTHS $73,500

AUERBACH, ROBERT; *CONTROL MECHANISMS IN LYMPHOID DIFFERENTIATION (B006637 X04)*; $2,900

BORISY, GARY G; *MECHANISMS OF ASSEMBLY AND FUNCTION OF MICROTUBULES AND THEIR ROLE IN CELL DEVELOPMENT (B008735 X02)*; 12 MONTHS $28,000

NEWCOMB, ELDON H AND BECKER, WAYNE M; *STUDIES IN PLANT CELL BIOLOGY (B015246 002)*; 24 MONTHS $90,000

LILIEN, JACK E; *DEVELOPMENTAL ASPECTS OF CELL SURFACE STRUCTURE AND FUNCTION (B017853 001)*; 24 MONTHS $25,000

WRIGHT, SEWALL; *EVOLUTION AND THE GENETICS OF POPULATIONS (B029138 001)*; 12 MONTHS $15,800

COHEN, PHILIP P; *RNA POLYMERASES DURING AMPHIBIAN DIFFERENTIATION AND DEVELOPMENT (B031087)*; 24 MONTHS $35,000

DAHLBERG, JAMES E; *SEQUENCE ANALYSIS AND STRUCTURE-FUNCTION RELATIONSHIPS OF NUCLEIC ACIDS (B032152 X00)*; 12 MONTHS $60,000

FITCH, WALTER M; *SPECIAL APPROACHES TO THE STUDY OF EVOLUTIONARY RELATIONSHIPS (B032274 X00*)*; 12 MONTHS $12,000

NAMENWIRTH, MARION; *REGIONAL CONTROL OF GENE EXPRESSION DURING EARLY EMBRYONIC DEVELOPMENT (B033806)*; 24 MONTHS $63,000

UNIVERSITY OF WISCONSIN, MADISON-MEDICAL SCHOOL

DAHLBERG, JAMES E; *NUCLEOTIDE SEQUENCE ANALYSIS OF GENETIC PUNCTUATION (B015671 001)*; 3 MONTHS $8,500

WYOMING

UNIVERSITY OF WYOMING

SMITH-SONNEBORN, JOAN; *STUDIES OF AGING IN 'PARAMECIUM' (B031623)*; 12 MONTHS $15,000

ECOLOGY AND SYSTEMATIC BIOLOGY

ALABAMA

TUSKEGEE INSTITUTE

SAINI, RAJINDER S; *COSIP D RESEARCH INITIATION - ASTER YELLOW MYCOPLASMA THAT CAN MODIFY SOME INSECT - PLANT RELATIONSHIPS (Y010457)*; 15 MONTHS $17,800

UNIVERSITY OF ALABAMA IN BIRMINGHAM

SCHNITZLEIN, H N; *COMPARATIVE ANATOMY OF THE FOREBRAINS OF FISHES (B030759)*; 24 MONTHS $33,000

UNIVERSITY OF ALABAMA, TUSCALOOSA

CROSS, EARLE A; *ENERGY RELATIONSHIPS IN A SMALL FINITE NATURAL SYSTEM (B033985)*; 12 MONTHS $16,000

ALASKA

UNIVERSITY OF ALASKA

CAMERON, JAMES N; *SEASONAL CHANGES OF THE RESPONSES OF FISH TO LOW OXYGEN (B031782)*; 18 MONTHS $45,300

UNIVERSITY OF ALASKA-INSTITUTE OF MARINE SCIENCE

BUTTON, D K; *HEAVY METAL INHIBITION OF AQUATIC MICROORGANISMS (B031443)*; 12 MONTHS $30,000

ARIZONA

ARIZONA STATE UNIVERSITY

HADLEY, NEIL F; *EFFECTS OF GAMMA RADIATION ON THE POPULATION DYNAMICS OF A NOCTUID MOTH (B031444)*; 24 MONTHS $54,200

GERKING, SHELBY D; *DISSERTATION RESEARCH- FISH PRODUCTION IN A THERMAL STREAM (B032811)*; 24 MONTHS $2,500

UNIVERSITY OF ARIZONA

HEED, WILLIAM B, AND KIRCHER, HENRY W; *NUTRITIONAL ECOLOGY OF DROSOPHILA (B028953 X01)*; 12 MONTHS $27,000

WERNER, F G; *DOCTORAL DISSERTATION RESEARCH - ECOLOGICAL AND CYTOLOGICAL STUDIES OF CHAMAEMYIIDAE (B030246)*; 12 MONTHS $800

HENDRICKSON, J R; *OPERATIONAL SUPPORT FOR PUERTO PENASCO MARINE BIOLOGY FACILITY (B034675)*; 12 MONTHS $9,600

ARKANSAS

UNIVERSITY OF ARKANSAS

SMITH, EDWIN B; *SYSTEMATIC STUDIES IN THE GENUS 'COREOPSIS' (COMPOSITAE)- SPECIES EAST OF THE ROCKY MOUNTAINS (B030919)*; 24 MONTHS $22,800

CALIFORNIA

CALIFORNIA ACADEMY OF SCIENCES

ESCHMEYER, WILLIAM N, AND CHEN, LO-CHAI; *EVOLUTION AND BIOLOGY OF THE SCORPIONFISH SUBFAMILY SEBASTINAE (B016409 001)*; 24 MONTHS $31,100

FREIHOFER, WARREN C; *EVOLUTIONARY STUDIES OF NERVE PATTERNS OF PERCOID FISHES (B030551)*; 24 MONTHS $22,000

EXCHMEYER, WILLIAM N; *CURATING THE FISH COLLECTION OF THE CALIFORNIA ACADEMY OF SCIENCES (B033886 X00)*; 12 MONTHS $34,700

ARNAUD, PAUL H JR; *CURATORIAL SUPPORT FOR THE ENTOMOLOGY COLLECTION (B033887 X00)*; 12 MONTHS $42,800

CALIFORNIA INSTITUTE OF TECHNOLOGY

PATTERSON, CLAIR C; *BIOLOGICAL DISCRIMINATION FACTORS FOR METALS WITHIN NATURAL ECOSYSTEMS (B031038*)*; 12 MONTHS $18,000

CALIFORNIA STATE POLYTECHNIC UNIV, POMONA

FORCE, DON C; *COMPETITION AMONG PARASITES ATTACKING A COMMON INSECT HOST* (*B033715*); 24 MONTHS $18,300

CALIFORNIA STATE UNIVERSITY, CHICO

KISTNER, DAVID H; *A SPECIES REVISION OF CERTAIN TRIBES OF THE SUBFAMILY ALEOCHARINAE (COLEOPTERA- STAPHYLINIDAE)* (*B028661 X01*), 12 MONTHS $13,200

CALIFORNIA STATE UNIVERSITY, SAN DIEGO

LILLEGRAVEN, JASON A; *SALVAGE AND STUDY OF LATE EOCENE FOSSIL MAMMALS FROM THE SAN DIEGO AREA, SOUTHERN CALIFORNIA* (*B030519*); 24 MONTHS $20,000

CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO

THIERS, HARRY; *SUILLUS FLORA* (*B014937 001*); 12 MONTHS $11,000

CLAREMONT GRADUATE SCHOOL

CARLQUIST, SHERWIN; *THE EVOLUTION OF WOOD* (*B014062 001*); 24 MONTHS $22,000

CARLQUIST, SHERWIN; *DOCTORAL DISSERTATION RESEARCH- COMPARATIVE AND FIELD STUDIES ON 'SARCODES' AND OTHER MONOTROPOIDEAE (ERICACEAE)* (*B031648*); 12 MONTHS $3,100

LOS ANGELES COUNTY MUSEUM OF NATURAL HISTORY

WHISTLER, DAVID P; *SUPPORT OF VERTEBRATE PALEONTOLOGY COLLECTION IN THE NATURAL HISTORY MUSEUM OF LOS ANGELES COUNTY* (*B033585 X00*); 12 MONTHS $73,300

MONTEREY PENINSULA COLLEGE

GILMARTIN, AMY J; *QUANTIFICATION OF POPULATION VARIABILITY* (*B028014 001*); $1,700

UNIVERSITY OF CALIFORNIA, BERKELEY

WILSON, ALLAN C; *COMPARATIVE BIOCHEMISTRY AND IMMUNOCHEMISTRY OF VERTEBRATE PROTEINS* (*B013119 001*); 24 MONTHS $70,000

WAKE, DAVID B; *EVOLUTIONARY BIOLOGY OF AMPHIBIANS* (*B017112 001*); 24 MONTHS $33,800

ORNDUFF, ROBERT; *ORIGIN AND FUNCTION OF HETEROSTYLY IN FLOWERING PLANTS* (*B017613 001*); 24 MONTHS $41,900

CALVIN, MELVIN; *PARTICULATE AND DISSOLVED ORGAN MATTER IN MONO LAKE* (*B029902 X01*); 12 MONTHS $47,600

LINSLEY, E G; *CERAMBYCIDAE OF NORTH AMERICA* (*B031120 X00*); 12 MONTHS $8,200

SNYDER, WILLIAM C; *TAXONOMY AND NOMENCLATURE OF 'GIBBERELLA FUSARIUM MONILIFORME'* (*B031209*); 24 MONTHS $41,700

BARLOW, GEORGE W; *DOCTORAL DISSERTATION RESEARCH- EVOLUTION OF ELECTRICAL BEHAVIOR IN THE SOUTH AMERICAN WEAKLY ELECTRIC FISHES (GYMNOTOIDEI)* (*B031440*); 14 MONTHS $3,700

HEINRICH, BERND; *THE PHYSIOLOGICAL ECOLOGY OF TEMPERATURE REGULATION IN INSECTS* (*B031542*); 24 MONTHS $18,000

SPIETH, PHILIP T; *GENETIC VARIATION AMONG WILD STRAINS OF NEUROSPORA* (*B032099*); 24 MONTHS $32,100

SAVAGE, D E; *DOCTORAL DISSERTATION RESEARCH- A REVIEW OF THE MERYCOIDODONTIDAE* (*B032963*); 12 MONTHS $1,400

DALY, HOWELL V; *BIOSYSTEMATICS OF BEES OF THE GENUS CERATINA AND ALLIES* (*B034089*); 24 MONTHS $23,300

ORNDUFF, ROBERT; *DOCTORAL DISSERTATION RESEARCH- THE EVOLUTION OF HETEROSTYLOUS BREEDING SYSTEMS IN 'OXALIS'* (*B034376*), 18 MONTHS $3,200

UNIVERSITY OF CALIFORNIA, DAVIS

HAMILTON, WILLIAM J III; *BEHAVIOR AND ECOLOGY OF TROPICAL MIXED AVIAN FLOCKS* (*B017180 001*); 12 MONTHS $7,100

GOLDMAN, CHARLES R; *PLANKTON COMMUNITY ECOLOGY IN NORTHERN CALIFORNIA LAKES* (*B019052 002*), 3 MONTHS $5,000

HAMILTON, WILLIAM J III; *THERMAL ECOLOGY AND THERMOREGULATORY BEHAVIOR OF BEETLES* (*B028532 X01*), 12 MONTHS $30,100

DOBZHANSKY, THEODOSIUS, AND AYALA, FRANCISCO J; *EVOLUTIONARY PATTERNS IN NEOTROPICAL 'DROSOPHILA'* (*B030895*); 24 MONTHS $70,100

EDLIN, GORDON J; *CHROMOSOME ORGANIZATION AND BACTERIAL EVOLUTION* (*B032520 X00*); 12 MONTHS $17,200

WEBSTER, GRADY L; *DOCTORAL DISSERTATION RESEARCH- MONOGRAPHIC STUDIES IN 'CNIDOSCOLUS'* (*B032810*); 12 MONTHS $1,900

STEBBINS, G LEDYARD; *COMPARATIVE ECOLOGY OF THE PLANT FAMILY 'SAXIFRAGACEAE'* (*B033160*); 24 MONTHS $38,600

FLECK, RAYMOND A; *A SYSTEMS APPROACH TO CONTROLLING PESTICIDE CONTAMINATION OF THE SAN JOAQUIN VALLEY* (*B033723 X00*); 12 MONTHS $120,000

UNIVERSITY OF CALIFORNIA, IRVINE

MACMILLEN, RICHARD E; *DOCTORAL DISSERTATION RESEARCH - PHYSIOLOGICAL ECOLOGY OF REPTILES AND MAMMALS* (*B0[illegible]132*); 24 MONTHS $4,000

LENHOFF, HOWARD M; *MOSQUITO CONTROL BY HYDRA* (*B031068*); 12 MONTHS $23,900

UNIVERSITY OF CALIFORNIA, LOS ANGELES

VAUGHN, PETER P; *LATE PENNSYLVANIAN VERTEBRATES OF CENTRAL COLORADO* (*B019971 001*); 24 MONTHS $20,900

HOWELL, THOMAS R; *DOCTORAL DISSERTATION RESEARCH ON POPULATION ECOLOGY OF CASSIN'S AUKLET* (*B030233*); 12 MONTHS $3,400

BROWN, JAMES H; *DOCTORAL DISSERTATION RESEARCH- DYNAMICS OF SOME POPULATIONS OF DESERT PUPFISH* (*B030253*); 12 MONTHS $1,900

LANE, N GARY; *DOCTORAL DISSERTATION RESEARCH- PALEOZOOLOGY OF MISSISSIPPIAN CAMERATE CRINOIDS* (*B030294*); 24 MONTHS $500

OLSON, EVERETT C; *PERMIAN TERRESTRIAL VERTEBRATES* (*B031283 X00*); 12 MONTHS $2,900

BARTHOLOMEW, GEORGE A; *DOCTORAL DISSERTATION RESEARCH - 'THE COLONIZING ABILITY OF PIKAS'* (*B031446*); 12 MONTHS $1,100

HOWELL, THOMAS R; *DOCTORAL DISSERTATION RESEARCH- FORAGING STRATEGIES AND FEEDING SPECIALIZATIONS IN SANDPIPERS* (*B032915*); 24 MONTHS $1,500

BARTHOLOMEW, GEORGE A; *ECOLOGICAL PHYSIOLOGY AND BEHAVIOR* (*B032947 X00*); 12 MONTHS $23,000

UNIVERSITY OF CALIFORNIA, RIVERSIDE

PENGELLEY, E T; *MECHANISMS CONTROLLING THE PHYSIOLOGY OF HIBERNATION* (*B008605 001*); 24 MONTHS $42,000

PRATT, P F; *ANION ADSORPTION IN TROPICAL SOILS AS A FACTOR IN NITROGEN CYCLING BY PLANTS* (*B011711 001*); 12 MONTHS $10,200

DEBACH, PAUL; *BIOSYSTEMATICS AND PHYLOGENY OF SPECIES OF 'APHYTIS'* (*B017829 001*); 24 MONTHS $45,100

PINTO, JOHN D; *TAXONOMIC RELATIONSHIPS AND SPECIATION MECHANISMS* (*B030907*); 24 MONTHS $22,000

GILLETT, GEORGE W; *EXPERIMENTAL AND TAXONOMIC STUDY OF 'BIDENS' (ASTERACEAE) AND 'CYRTANDRA' IN HAWAII AND THE SOUTH PACIFIC* (*B032094*); 24 MONTHS $27,900

UNIVERSITY OF CALIFORNIA, SAN DIEGO

WILLIAMS, FRANCIS; *TAXONOMIC REVISION OF THE GENUS 'CARANGOIDES'* (*B031197*); 24 MONTHS $34,900

UNIVERSITY OF CALIFORNIA, SAN FRANCISCO

AUDY, J RALPH; *MONOGRAPH OF WORLD TROMBICULIDAE AND LEEUWENHOEKIIDAE* (*B028863 X01*); 12 MONTHS $30,800

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCRIPPS INSTITUTION OF OCEANOGRAPHY

NEWMAN, WILLIAM A; *SYSTEMATICS OF CIRRIPEDIA* (*B030908 X00*); 12 MONTHS $15,000

FLEMINGER, A; *STUDY OF EPIPLANKTONIC POPULATIONS OF CALANOID COPEPODS* (*B032076*); 24 MONTHS $46,000

COLORADO

UNIVERSITY OF COLORADO

BOCK, CARL E; *RELATIONSHIP OF TERRITORIALITY AND FOOD AVAILABILITY TO POPULATION REGULATION* (*B030917*); 24 MONTHS $30,000

CONNECTICUT

UNIVERSITY OF CONNECTICUT

RETTENMEYER, CARL W; *DISSERTATION RESEARCH- INFLUENCE OF VEGETATION AND TERRITORY ON AVIAN MATING SUCCESS* (*B031716*); 24 MONTHS $66,300

SCHULTZ, R JACK; *EVOLUTION OF ALL-FEMALE FISHES* (*B033451 X00*); 12 MONTHS $25,000

YALE UNIVERSITY

THOMSON, KEITH S; *STUDY OF THE LOBE-FINNED FISHES AND RELATED AMPHIBIA* (*B028823 X01*); 12 MONTHS $16,700

MILLER, RICHARD S; *ECOLOGY OF INTERSPECIES COMPETITION* (*B029111 X01*); 12 MONTHS $20,700

REMINGTON, CHARLES L; *DOCTORAL DISSERTATION RESEARCH ON POLLINATION SYSTEMS IN SOLIDAGO, AQUILEGIA AND CASTILLEJA* (*B030135*); 24 MONTHS $2,900

BORMANN, F H; *HYDROLOGIC-NUTRIENT CYCLE INTERACTION IN UNDISTURBED AND MANIPULATED FOREST ECOSYSTEMS* (*B030968 X00*); 12 MONTHS $84,600

MOROWITZ, HAROLD J; *DOCTORAL DISSERTATION RESEARCH IN SYSTEMATICS OF THE MESOZOA AND EVOLUTION OF MULTICELLULAR ANIMALS* (*B031046*); 24 MONTHS $2,400

ASHMOLE, N PHILIP, AND MILLER, RICHARD S; *DOCTORAL DISSERTATION RESEARCH - POPULATION ECOLOGY OF CASSIN'S AUKLET* (*B031577*); 18 MONTHS $2,900

KIRSCH, JOHN A W; *STUDIES IN MARSUPIAL SYSTEMATICS* (*B032061 X00*); 12 MONTHS $15,700

LEVIN, DONALD A; *GENE FLOW AND POPULATION STRUCTURE IN 'PHLOX'* (*B032100 X00*), 12 MONTHS $29,600

JORDAN, PETER A; *DOCTORAL DISSERTATION RESEARCH- ECOLOGICAL AND TAXONOMIC INVESTIGATIONS OF AN ENDANGERED SPECIES, THE RED WOLF (CANIS RUFUS)* (*B032149*); 12 MONTHS $2,800

LEVIN, DONALD A; *DOCTORAL DISSERTATION RESEARCH- LOCAL DIFFERENTIATION IN 'LIATRIS CYLINDRACEA'* (*B034884*); 18 MONTHS $2,800

WEGENER, PETER P; *BUBBLE INDUCED VERTICAL MASS TRANSPORT IN WATER* (*K033058 X00**); 12 MONTHS $6,700

DISTRICT OF COLUMBIA

AMERICAN ASSOCIATION OF MUSEUMS

MCGRATH, KYRAN M; *ADVISORY COMMITTEE FOR THE EVALUATION OF SYSTEMATIC BIOLOGY COLLECTIONS IN THE UNITED STATES* (*B034750*); 24 MONTHS $20,000

AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES

OLIVE, JOHN R; *SECOND NATIONAL BIOLOGICAL CONGRESS* (*B031327**); 12 MONTHS $18,000

GEORGETOWN UNIVERSITY

COLWELL, R R; *SYSTEMATIC STUDY OF THE GENUS 'VIBRIO'* (*B031303 X00*); 12 MONTHS $38,000

NATIONAL ACADEMY OF SCIENCES

KELLERMANN, HENRY J; *PARTIAL SUPPORT OF THE COMMITTEE FOR INTERNATIONAL ENVIRONMENTAL PROGRAMS* (*C310195 005**); 9 MONTHS $10,000

SMITHSONIAN INSTITUTION

SHETLER, STANWYN G; *FLORA NORTH AMERICA PROGRAM* (*B031715*); 12 MONTHS $29,500

CUATRECASAS, JOSE; *TAXONOMIC STUDY OF NEOTROPICAL PHANEROGAMS* (*B032086 X00*); 12 MONTHS $25,000

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

OLIVER, R H; *SUPPORT OF V GENERAL ASSEMBLY INTERNATIONAL BIOLOGICAL PROGRAM* (*C310098 015*); 11 MONTHS $20,000

DECARLO, M R; *A STUDY OF EDIBLE LEGUMES* (*C310226*); 18 MONTHS $5,000

FLORIDA

FAIRCHILD TROPICAL GARDEN

TOMLINSON, PHILIP B; *SYSTEMATIC STEM ANATOMY OF TROPICAL MONOCOTYLEDONS* (*B031844 X00*); 12 MONTHS $24,000

FLORIDA STATE UNIVERSITY

SHORT, ROBERT B; *SENSORY STRUCTURES OF SCHISTOSOME CERCARIAE (TREMATODA)* (*B030903*); 24 MONTHS $30,000

ORGANIZATION FOR TROPICAL STUDIES

SPENCER, JACK T; *COMPARATIVE ECOLOGICAL STUDY OF TROPICAL LOWLAND FOREST COMMUNITIES* (*B025592 001*); 12 MONTHS $192,900

UNIVERSITY OF FLORIDA

MATURO, FRANK J S JR; *DOCTORAL DISSERTATION RESEARCH-SYSTEMATICS OF THE MARINE BRYOZOAN 'PARASMITTINA NITIDA' (VERRILL)* (*B031262*); 24 MONTHS $4,100

DEEVEY, EDWARD S; *HISTORICAL ECOLOGY OF THE MAYA AREA* (*B032150*); 12 MONTHS $10,000

EMMEL, THOMAS C; *CHROMOSOME EVOLUTION IN THE LEPIDOPTERA* (*B032151*); 24 MONTHS $28,000

UNIVERSITY OF MIAMI

PLISKE, THOMAS E, AND DODSON, CALAWAY H; *CHEMICAL INTERACTION BETWEEN PLANTS AND INSECTS* (*B033397*); 24 MONTHS $80,000

UNIVERSITY OF FLORIDA-FLORIDA STATE MUSEUM

WEBB, S DAVID; *PHYLOGENETIC STUDIES OF TRAGULIDAE AND OTHER QUASIRUMINANTS* (*B033500*); 24 MONTHS $18,000

UNIVERSITY OF MIAMI-SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES

PROVENZANO, ANTHONY J JR; *SYSTEMATIC STUDIES ON HERMIT CRABS AND OTHER DECAPOD CRUSTACEANS* (*B007075 003*); 12 MONTHS $47,100

TAYLOR, DENNIS L; *THE BASIS OF CELLULAR INTERACTION- ALGAL-INVERTEBRATE SYMBIOSIS* (*B019790 001*); 24 MONTHS $70,000

VOSS, GILBERT L; *SYSTEMATICS OF THE CEPHALOPODS* (*B024994 X01*); 12 MONTHS $23,400

ROBINS, C RICHARD; *SYSTEMATIC STUDIES OF OCEANIC FISHES OF THE FAMILIES OPHIDIIDAE, GOBIIDAE AND SERRANIDAE* (*B028440 X01*); 12 MONTHS $22,000

ROBINS, C RICHARD; *DOCTORAL DISSERTATION RESEARCH- A REVISION OF THE SHARK GENUS MUSTELUS* (*B030229*); 12 MONTHS $1,000

BAYER, FREDERICK M; *SYSTEMATIC STUDIES OF THE OCTOCORALLIA OF THE WESTERN ATLANTIC OCEAN* (*B030741*); 24 MONTHS $30,100

GEORGIA

EMORY UNIVERSITY

MURDY, WILLIAM H; *THE ROLE OF URBANIZATION IN PLANT EVOLUTION* (*B029601 X01*); 12 MONTHS $9,500

UNIVERSITY OF GEORGIA

ATYEO, WARREN T; *SUPRASPECIFIC TAXA OF THE ANALGOIDEA (ACARINA)* (*B015105 001*); 24 MONTHS $32,000

JONES, SAMUEL B JR; *SYSTEMATICS OF 'VERNONIA' (COMPOSITAE)* (*B020687 001*); 24 MONTHS $18,100

WIEGERT, RICHARD G; *TROPHICDYNAMICS OF THERMAL SPRING ECOSYSTEMS* (*B021255 001*); 24 MONTHS $70,500

JONES, S B JR; *DISSERTATION RESEARCH ON THE SYSTEMATICS OF 'LYSIMACHIA'* (*B030074*); 18 MONTHS $1,700

PLUMMER, GATHER L; *DOCTORAL DISSERTATION RESEARCH-ANALYSIS OF LAND USE PATTERNS* (*B030[illegible]63*); 12 MONTHS $600

JONES, SAMUEL B JR; *DOCTORAL DISSERTATION RESEARCH-VEGETATION DYNAMICS* (*B03[illegible]867*); 12 MONTHS $1,500

ROSS, HERBERT H; *DOCTORAL DISSERTATION RESEARCH- A REVISION OF THE GENUS 'CHEUMATOPSYCHE' IN NORTH AMERICA* (*B033064*); 12 MONTHS $1,600

COLEMAN, JAMES R; *SYSTEMATICS OF VERBESINA COMPOSITAE* (*B034129*); 24 MONTHS $16,200

UNIVERSITY OF GEORGIA-AGRICULTURAL EXPERIMENT STATION

HANLIN, RICHARD T, AND LUTTRELL, E S; *DEVELOPMENTAL MORPHOLOGY OF ASCOMYCETES AND THEIR IMPERFECT STATES* (*B028666 X01*); 12 MONTHS $16,500

HAWAII

BERNICE P BISHOP MUSEUM

GRESSITT, J LINSLEY; *BIOGEOGRAPHIC RELATIONSHIPS OF NEW GUINEA AND NEW CALEDONIA* (*B013731 001*); 24 MONTHS $35,000

ST. JOHN, HAROLD; *SUPPORT FOR PANDANUS RESEARCH* (*B017365 X01*); 12 MONTHS $7,900

SAMUELSON, G ALLAN; *BIOSYSTEMATICS OF ALTICINAE, GENERA OF THE EASTERN HEMISPHERE* (*B034289*); 24 MONTHS $23,000

UNIVERSITY OF HAWAII

HARDY, D ELMO; *DIPTERA OF HAWAII* (*B028603 X01*); 12 MONTHS $16,200

THEOBALD, WILLIAM L; *COMPARATIVE ANATOMICAL AND DEVELOPMENTAL STUDIES IN UMBELLIFERAE* (*B030855*); 21 MONTHS $14,200

HARDY, D ELMO; *PUBLICATION OF TWO MONOGRAPHS ON TEPHRITIDAE* (*N033057**); 12 MONTHS $5,000

IDAHO

UNIVERSITY OF IDAHO

HORNOCKER, MAURICE G, AND BIZEAU, ELWOOD G; *ECOLOGY OF THE GREATER SANDHILL CRANE* (*B034592 X00*); 12 MONTHS $8,000

ILLINOIS

FIELD MUSEUM OF NATURAL HISTORY

INGER, ROBERT F; *GRADUATE STUDIES IN SYSTEMATIC ZOOLOGY AND PALEONTOLOGY* (*B008789 001*); 10 MONTHS $21,700

BURGER, WILLIAM C; *NEW FLORA OF COSTA RICA AND RELATED FIELD WORK* (*B028446 001*); 24 MONTHS $37,000

HERSHKOVITZ, PHILIP; *MONOGRAPH OF NEW WORLD PRIMATES, VOLUME 2-CEBIDS* (*B030866*); 24 MONTHS $45,500

WILLIAMS, LOUIS O; *FLORISTIC FIELD WORK IN CENTRAL CENTRAL AMERICA* (*B032190*); 24 MONTHS $29,000

DYBAS, HENRY; *CARE AND USE OF SYSTEMATIC COLLECTIONS OF INSECTS AND OTHER ARTHROPODS* (*B033546 X00*); 12 MONTHS $50,600

SOLEM, G ALAN; *PURCHASE OF A SCANNING ELECTRON MICROSCOPE* (*B034521**); 24 MONTHS $4,500

NORTHWESTERN UNIVERSITY

BROWN, FRANK A JR; *INFLUENCE ON ORGANISMS OF VERY WEAK EXTRA-PHOTIC ELECTROMAGNETIC FIELDS* (*B031040*); 24 MONTHS $55,700

SOUTHERN ILLINOIS UNIVERSITY - CARBONDALE

KLIMSTRA, W D; *DOCTORAL DISSERTATION RESEARCH IN THE FIELD SCIENCES* (*B030195*); 12 MONTHS $3,900

UNIVERSITY OF CHICAGO

PARK, THOMAS; *POPULATION ECOLOGY OF 'TRIBOLIUM'* (*B021246 X02*); 12 MONTHS $18,000

SCHOPF, THOMAS J M, AND GOOCH, JAMES L; *SPECIATION IN THE SEA* (*B030870*); 24 MONTHS $47,000

RADINSKY, LEONARD B; *MAMMALIAN BRAIN EVOLUTION* (*B031242*); 24 MONTHS $30,000

GARBER, EDWARD D; *ENZYMES AND PROTEINS AS GENETIC AND TAXONOMIC TOOLS IN THE GENUS 'USTILAGO'* (*B032060*); 24 MONTHS $50,000

UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE

BARDACK, DAVID; *CRETACEOUS TELEOSTEAN FISHES* (*B030836*); 12 MONTHS $15,100

TAYLOR, THOMAS N; *ULTRASTRUCTURAL STUDIES OF CARBONIFEROUS SPORES* (*B030921*); 24 MONTHS $33,000

SPIESS, ELIOT B; *GENETIC BASIS OF MATING ACTIVITY IN NATURAL POPULATIONS OF DROSOPHILA* (B034206); 24 MONTHS $43,200

UNIVERSITY OF ILLINOIS AT URBANA

PAYNE, WILLARD W; *SYSTEMATICS AND EVOLUTION OF RAGWEEDS* (B003091 002); 24 MONTHS $30,800

PAYNE, WILLARD W; *SYSTEMATIC STUDIES OF STOMATA* (B030477); 24 MONTHS $30,700

LEVINE, NORMAN D; *SYSTEMATICS OF APICOMPLEXAN ('-SPOROZOAN') PROTOZOA* (B030800 X00); 12 MONTHS $30,000

PAYNE, WILLARD W; *DOCTORAL DISSERTATION RESEARCH ON TAXONOMIC STUDIES OF ASTER* (B032916); 24 MONTHS $1,900

DE WET, J M J; *ORIGIN AND EVOLUTION OF CULTIVATED 'PENNISETUM'* (B033802); 6 MONTHS $1,000

WESTERN ILLINOIS UNIVERSITY

SINGER, SAMUEL; *ENTOMOGENOUS EFFECTS OF BACILLI FOR THE BIOLOGICAL CONTROL OF MOSQUITOES* (B033163); 24 MONTHS $32,000

NORTHWESTERN UNIVERSITY-CHICAGO CAMPUS-MEDICAL SCHOOL

NADLER, CHARLES F; *EVOLUTIONARY STUDIES OF HOLARCTIC MAMMALS* (B032214 X00); 12 MONTHS $25,000

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

DILCHER, DAVID L; *THE EOCENE FLORAS OF SOUTHEASTERN NORTH AMERICA* (B012803 001); 24 MONTHS $30,000

FREY, DAVID G; *LIMNOLOGY AND PLANKTON DYNAMICS OF A TROPICAL LAKE* (B016054 001); 24 MONTHS $17,500

NOLAN, VAL JR; *DOCTORAL DISSERTATION RESEARCH- INFLUENCE OF VEGETATION AND TERRITORY ON AVIAN MATING SUCCESS* (B031737); 24 MONTHS $3,500

DILCHER, DAVID L; *DOCTORAL DISSERTATION RESEARCH- EOCENE MICROFOSSIL FLORA* (B032289); 24 MONTHS $1,900

PURDUE UNIVERSITY

BROERSMA, DELMAR B; *DISSERTATION RESEARCH ON SYSTEMATICS OF 'LEPTINOTARSA'* (B030364); 24 MONTHS $900

IOWA

IOWA STATE UNIVERSITY OF SCIENCE & TECHNOLOGY

LERSTEN, NELS R; *ANATOMY OF BACTERIAL LEAF NODULES IN THE RUBIACEAE* (B030801); 24 MONTHS $18,000

POHL, RICHARD W; *TAXONOMIC STUDIES ON THE GRASS FLORA OF CENTRAL AMERICA* (B032085); 24 MONTHS $30,800

UNIVERSITY OF IOWA

DINGLE, HUGH; *INSECT MIGRATION STRATEGIES* (B008705 001); 24 MONTHS $48,000

KANSAS

KANSAS STATE UNIVERSITY

ROBEL, ROBERT J; *PESTICIDE, PARASITE, ENERGETIC AND BEHAVIORAL INTERACTIONS* (B016010 001); 24 MONTHS $62,900

ANDERSON, LORAN C; *SYSTEMATICS AND ANATOMY OF CHRYSOTHAMNUS AND RELATED ASTERACEAE* (B031996 X00); 12 MONTHS $21,700

UNIVERSITY OF KANSAS

JOHNSTON, RICHARD F; *ADAPTIVE SIGNIFICANCE OF SIZE VARIATION IN NATURAL POPULATIONS* (B008781 001); 12 MONTHS $19,600

HOFFMAN, ROBERT S; *COHERENT AREA GRANT IN EVOLUTIONARY BIOLOGY* (B008785 001); 10 MONTHS $31,700

HOFFMANN, ROBERT S; *SYSTEMATICS AND EVOLUTIONARY HISTORY OF THE MARMOTS* (B029131 X01); 12 MONTHS $14,000

HALL, E RAYMOND; *DOCTORAL DISSERTATION RESEARCH- EVOLUTION OF THE GENUS 'CANIS' IN NORTH AMERICA* (B030502); 12 MONTHS $1,000

BYERS, GEORGE W; *EVOLUTIONARY HISTORY OF MECOPTERA* (B030837); 24 MONTHS $24,800

HALL, E RAYMOND; *CLASSIFICATION OF NORTH AMERICAN RECENT MAMMALS* (B030969); 24 MONTHS $40,000

MOORE, RAYMOND C, AND TEICHERT, CURT; *TREATISE ON INVERTEBRATE PALEONTOLOGY* (B031331 X00); 12 MONTHS $66,600

LOUISIANA

LOUISIANA STATE UNIVERSITY MED CTR NEW ORLEANS

DESSAUER, HERBERT C; *MOLECULAR DATA AND REPTILIAN SYSTEMATICS* (B007294 X03); 12 MONTHS $16,500

TULANE UNIVERSITY

WELDEN, A L; *SYSTEMATICS OF THE STEREACEAE AND CULTURAL CHARACTERS OF TROPICAL AND SUBTROPICAL APHYLLOPHORALES* (B034208 X00); 12 MONTHS $10,800

LOUISIANA STATE UNIVERSITY, BATON ROUGE-AGRICULTURAL EXPERIMENT STATION

HOLLIS, JOHN P, AND PATRICK, WILLIAM H; *CHEMICAL BEHAVIOR AND BIOLOGICAL EFFECTS OF SULFIDE COMPOUNDS IN FLOODED SOILS, SWAMPS AND MARSHES* (B029633 X01); 12 MONTHS $22,000

TULANE UNIVERSITY-SCHOOL OF MEDICINE

ESSLINGER, JACK H; *SYSTEMATICS OF THE FILARIAL PARASITES OF NEOTROPICAL MAMMALS* (B030824); 24 MONTHS $25,300

MARYLAND

CATONSVILLE COMMUNITY COLLEGE

KING, ROBERT M; *A GENERIC ANALYSIS OF THE TRIBE EUPATORIEAE (COMPOSITAE)* (B020502 002); 6 MONTHS $6,300

UNIVERSITY OF MARYLAND, COLLEGE PARK

HIGHTON, RICHARD; *SYSTEMATIC STUDIES ON THE SALAMANDERS OF THE GENUS PLETHODON* (B019566 X01); 12 MONTHS $17,600

CORLISS, JOHN O; *SYSTEMATICS AND EVOLUTION OF CILIATE PROTOZOA* (B027050 X01); 12 MONTHS $19,300

HIGHTON, RICHARD; *DISSERTATION RESEARCH- ECOLOGICAL INTERACTIONS OF SALAMANDERS* (B030241); 24 MONTHS $6,200

STERN, WILLIAM L; *COMPARATIVE ANATOMY AND SYSTEMATICS OF WOODY SAXIFRAGACEAE* (B030869 X00); 12 MONTHS $15,000

MORSE, DOUGLAS H; *THE ROLES OF SOCIAL BEHAVIOR, RESOURCE SUPPLY, AND VEGETATION IN HABITAT UTILIZATION* (B031005); 24 MONTHS $20,000

MASSACHUSETTS

AMHERST COLLEGE

FISHER, STUART G; *METABOLISM OF THE FORT RIVER ECOSYSTEM, MASSACHUSETTS* (B033217); 24 MONTHS $35,000

BOSTON UNIVERSITY

HUMES, ARTHUR G; *PARASITIC COPEPODA (CRUSTACEA) FROM INVERTEBRATES AND FISHES* (B0083[illegible]); 12 MONTHS $22,200

HARVARD UNIVERSITY

WILLIAMS, ERNEST E; *INTER AND INTRA-SPECIES DIFFERENCE AND INTERACTION IN NEW WORLD SAURIANS* (B019801 X01); 12 MONTHS $80,700

KUMMEL, BERNHARD; *PROBLEM OF EXTINCTIONS AND THE EVOLUTIONARY RADIATION OF LOWER TRIASSIC AMMONITES* (B029037 X01); 12 MONTHS $11,800

CROMPTON, ALFRED W; *ORIGIN OF MAMMALS AND THE INTERRELATIONSHIPS OF MESOZOIC MAMMALS* (B030786); 24 MONTHS $40,000

COHEN, JOEL E; *MATHEMATICAL MODELS OF SELECTION AND INTERACTION AMONG POPULATIONS* (B031049); 24 MONTHS $28,000

CARPENTER, FRANK M; *EVOLUTIONARY MORPHOLOGY OF THE LOCOMOTORY SYSTEM OF COLEOPTERA* (B031173); 24 MONTHS $30,000

PATTERSON, BRYAN; *PLEISTOCENE MAMMALS OF NORTH AMERICA* (B031287); 24 MONTHS $40,000

PATTERSON, BRYAN; *THE VERTEBRATE PALEONTOLOGY OF TROPICAL SOUTH AMERICA* (B032489 X00); 12 MONTHS $15,800

UNIVERSITY OF MASSACHUSETTS, AMHERST

BIERHORST, DAVID W; *MORPHOLOGY AND PHYLOGENY OF FERNS* (B013903 002); 24 MONTHS $22,700

GALINAT, WALTON C; *EVOLUTION OF THE AMERICAN MAYDEAE* (B015767 001); 24 MONTHS $37,900

KLEKOWSKI, EDWARD J JR; *PTERIDOPHYTE GENETICS AND EVOLUTION* (B031990); 24 MONTHS $29,700

WILLIAMS COLLEGE

GRANT, WILLIAM C JR; *PESTICIDE EFFECTS ON THE BEHAVIOR AND ECOLOGY OF HERMIT CRABS* (B031548); 36 MONTHS $18,100

HARVARD UNIVERSITY-HERBARIUM

ROLLINS, REED C; *POPULATION DIVERSITY AND SPECIES DIFFERENTIATION IN LEAVENWORTHIA* (B005072); 24 MONTHS $46,700

WOOD, CARROLL E JR; *A GENERIC FLORA OF THE SOUTHEASTERN UNITED STATES* (B006459 X03); 12 MONTHS $44,700

NEVLING, LORIN I JR; *FLORA OF VERACRUZ* (B020267 X01); 12 MONTHS $33,800

TRYON, ROLLA M, AND TRYON, ALICE F; *TAXONOMIC AND EVOLUTIONARY STUDIES OF THE AMERICAN TREE FERNS* (B031170); 24 MONTHS $40,200

NEVLING, LORIN I JR; *SUPPORT OF BOTANICAL SYSTEMATIC COLLECTIONS AT HARVARD UNIVERSITY* (B033856 X00); 12 MONTHS $180,000

MICHIGAN

HOPE COLLEGE

BRADY, ALLEN R; *ECOLOGY, DISTRIBUTION AND BEHAVIOR OF OXYOPIDAE AND LYCOSIDAE (ARACHNIDA- ARANEAE)* (B013925 001); 24 MONTHS $19,000

MICHIGAN STATE UNIVERSITY

MANNY, BRUCE A, AND WETZEL, ROBERT G; *DISSOLVED ORGANIC NITROGEN IN LAKES* (B028900 X01); 12 MONTHS $31,600

LAUFF, GEORGE H; *FRESHWATER ECOSYSTEMS* (*B031018 X00*); 12 MONTHS $120,000

WOLK, COLEMAN P; *DEVELOPMENT, FOR FIELD AND LABORATORY STUDIES, OF A GAS-CHROMATOGRAPHIC ASSAY FOR HETEROCYSTS* (*B033243*); 12 MONTHS $16,800

LAUFF, GEORGE H; *STRUCTURE AND STABILITY OF THE GULL LAKE ZOOPLANKTON COMMUNITY* (*B033337*); 30 MONTHS $60,000

UNIVERSITY OF MICHIGAN

MILLER, ROBERT R; *SYSTEMATICS AND EVOLUTION OF POECILIID AND RELATED FISHES* (*B006279 X03*); 12 MONTHS $18,300

HAIRSTON, NELSON G; *GRADUATE TRAINING IN SYSTEMATIC AND EVOLUTIONARY BIOLOGY* (*B025136 001*); 10 MONTHS $56,000

MCCULLOUGH, DALE R; *DEER POPULATION-VEGETATION INTERACTIONS OF THE GEORGE RESERVE* (*B028822 X01*); 12 MONTHS $25,000

PAYNE, ROBERT B; *POPULATION STRUCTURE AND EVOLUTIONARY RELATIONSHIPS IN AVIAN POPULATIONS* (*B029017 X01*); 12 MONTHS $9,000

DAVIS, MARGARET B; *DOCTORAL DISSERTATION RESEARCH IN EDAPHIC CONTROL OF VEGETATION* (*B030344*); 12 MONTHS $5,600

LOMMEN, PAUL W; *PLANT PRODUCTIVITY AND BIOPHYSICAL ECOLOGY* (*B030948*); 17 MONTHS $72,200

MACURDA, DONALD B JR; *THE QUANTITATIVE PHYLETICS OF THE PHYSETOCRINID CRINOIDS* (*B030849*); 12 MONTHS $8,000

WAGNER, WARREN H JR; *EVOLUTIONARY CHARACTERS AND CLASSIFICATION OF THE FERNS* (*B030918 X00*); 12 MONTHS $19,600

GANS, CARL; *THE FUNCTIONAL MORPHOLOGY OF SQUAMATE REPTILIA* (*B031088 X00*); 12 MONTHS $45,000

MCVAUGH, ROGERS; *VASCULAR FLORA OF JALISCO* (*B031133*); 24 MONTHS $19,400

HUBBELL, STEPHEN P; *AGGRESSION AND ECOLOGICAL COMPETITION BETWEEN SYMPATRIC INSECTS* (*B033324*); 24 MONTHS $40,000

RHODES, F H T; *OPERATIONAL SUPPORT FOR THE UNIVERSITY OF MICHIGAN BIOLOGICAL STATION* (*B034767*); 16 MONTHS $36,000

WAYNE STATE UNIVERSITY

GOODMAN, MORRIS; *EFFECTS OF EVOLUTION ON PRIMATE MACROMOLECULES* (*B007426 X03*); 12 MONTHS $23,900

COOK, DAVID R; *WATER MITES FROM NORTH AND CENTRAL AMERICA* (*B012375 001*); 24 MONTHS $22,200

WAYNE STATE UNIVERSITY-SCHOOL OF MEDICINE

GOODMAN, MORRIS; *MOLECULAR SYSTEMATICS OF THE PRIMATES* (*B01[illegible]060 001*); 12 MONTHS $23,000

MINNESOTA

UNIVERSITY OF MINNESOTA

HALL, JOHN W; *MEGASPORES OF CRETACEOUS HETEROSPOROUS FERNS* (*B014041 001*); 24 MONTHS $30,000

SHAPIRO, JOSEPH; *KINETICS OF PHOSPHORUS AND NITROGEN UPTAKE AND GROWTH BY ALGAE AND BACTERIA* (*B015675 001*); 24 MONTHS $78,000

WETMORE, CLIFFORD M; *THE ULTRASTRUCTURE OF NORTH AMERICAN HEPPIACEAE* (*B028595 X01*); 12 MONTHS $9,100

BARNWELL, FRANKLIN H; *GENETIC DIFFERENCES BETWEEN TWIN SPECIES OF CRUSTACEANS* (*B031054*); 24 MONTHS $40,300

MISSISSIPPI

GULF COAST RESEARCH LABORATORIES

DAWSON, C E; *SYSTEMATIC STUDIES OF THE FAMILIES DACTYLOSCOPIDAE AND GOBIIDAE* (*B031053 X00*); 12 MONTHS $8,500

MISSISSIPPI STATE UNIVERSITY

JACKSON, JEROME A; *POPULATION BIOLOGY OF 'DENDROCOPOS BOREALIS'* (*B033984*); 24 MONTHS $25,000

MISSOURI

MISSOURI BOTANICAL GARDEN

RAVEN, PETER H; *SUPPORT OF THE SYSTEMATIC COLLECTIONS AT THE MISSOURI BOTANICAL GARDEN* (*B033795 X00*); 12 MONTHS $120,000

CROAT, THOMAS B; *ECOTAXONOMIC MANUAL FOR THE FLORA OF BARRO COLORADO ISLAND* (*B034502*); 24 MONTHS $30,000

WASHINGTON UNIVERSITY

SEXTON, OWEN J; *AN EXPERIMENTAL INVESTIGATION OF PREDATOR SEARCHING IMAGE AND PREY COLOR PATTERN POLYMORPHISM* (*B030130 X00*); 12 MONTHS $27,900

STALKER, HARRISON D; *GENETIC POLYMORPHISM IN NATURAL POPULATIONS OF DROSOPHILA* (*B031030*); 24 MONTHS $60,000

LEWIS, WALTER H; *DOCTORAL DISSERTATION RESEARCH- EVOLUTION AND CHROMOSOMAL VARIATION IN 'CLINTONIA (LILIACEAE)'* (*B033162*); 24 MONTHS $2,000

MONTANA

MONTANA STATE UNIVERSITY

PICKETT, JAMES M; *CHEMOSTAT STUDIES OF NUTRIENT-LIMITED ALGA GROWTH* (*B031466*); 24 MONTHS $23,900

UNIVERSITY OF MONTANA

MILLER, CHARLES N; *STRUCTURALLY-PRESERVED CONIFER CONES FROM NORTH AMERICA* (*B019737 001*); 24 MONTHS $34,000

NEBRASKA

CREIGHTON UNIVERSITY

ANDREWS, RICHARD V; *COMPARATIVE ANALYSIS OF HYPOPHYSEAL AND STEROID FACTORS RELATED TO POPULATION DYNAMICS* (*B025450*); 24 MONTHS $35,000

UNIVERSITY OF NEBRASKA AT LINCOLN

KAUL, ROBERT B; *DIAPHRAGMS IN AQUATIC PLANTS* (*B031280*); 24 MONTHS $27,300

NEW HAMPSHIRE

DARTMOUTH COLLEGE

GILBERT, JOHN J; *SEXUALITY IN THE ROTIFER ASPLANCHNA* (*B031282*); 24 MONTHS $48,000

NEW JERSEY

PRINCETON UNIVERSITY

WILLIS, EDWIN O; *BEHAVIORAL AND POPULATION STUDIES OF FORMICARIIDAE* (*B030776*); 7 MONTHS $6,500

MACARTHUR, ROBERT, AND WILLIS, EDWIN O; *ECOLOGICAL AND BEHAVIORAL STUDIES OF INSECTIVOROUS BIRDS* (*B032921*); 24 MONTHS $40,000

RUTGERS UNIVERSITY

FAIRBROTHERS, DAVID E; *CHEMOSYSTEMATICS OF MENTHA AND CORNALES* (*B013202 001*); 24 MONTHS $33,300

LECHEVALIER, HUBERT; *COMPARATIVE MORPHOLOGY AND CHEMISTRY OF ACTINOMYCETES* (*B018705 001*); 24 MONTHS $40,000

PEARSON, PAUL G; *DOCTORAL DISSERTATION RESEARCH- THE ECOLOGICAL IMPACT OF AN AERIAL APPLICATION OF THE PESTICIDE, SEVIN, ON NON-TARGET ORGANISMS IN A FOREST ECOSYSTEM* (*B031260*); 12 MONTHS $1,000

NEW MEXICO

UNIVERSITY OF NEW MEXICO

DEGENHARDT, W G; *DOCTORAL DISSERTATION RESEARCH IN CHEMOSYSTEMATICS* (*B030133*); 18 MONTHS $1,600

CRAWFORD, CLIFFORD S, *COLD-HARDINESS DEVELOPMENT IN CENTIPEDES AND SCORPIONS* (*B031602*); 24 MONTHS $30,000

ROSENZWEIG, MICHAEL L; *PERTURBATION ANALYSIS OF DESERT RODENT COMMUNITIES* (*B034804*); 24 MONTHS $26,400

NEW YORK

ADELPHI UNIVERSITY

WEST, ROBERT M; *PALEOFAUNAL STUDIES OF THE MIDDLE EOCENE BRIDGER FORMATION OF SOUTHWESTERN WYOMING* (*B020263 001*); 24 MONTHS $24,000

AMERICAN MUSEUM OF NATURAL HISTORY

TEDFORD, RICHARD H; *CENOZOIC MAMMALS* (*B018273 X01*); 12 MONTHS $24,000

STUNKARD, HORACE W; *STUDIES ON HELMINTHIC PARASITES* (*B030662*); 24 MONTHS $15,900

ROZEN, JEROME G JR; *EVOLUTIONARY RELATIONSHIPS AND HIGHER CLASSIFICATION OF BEES* (*B032193 X00*); 12 MONTHS $25,000

VAN GELDER, RICHARD G; *OPERATION SUPPORT FOR THE MAMMALOGY COLLECTION* (*B033571 X00*); 12 MONTHS $57,300

SCHAEFFER, BOBB; *IMPROVES ACCESS AND UTILITY OF FOSSIL MAMMAL COLLECTIONS* (*B033829 X00*); 12 MONTHS $100,500

AMADON, DEAN; *SUPPORT OF COLLECTION-BASED ACTIVITIES IN ORNITHOLOGY* (*B033838 X00*); 12 MONTHS $70,700

COLUMBIA UNIVERSITY

BOCK, WALTER J; *EVOLUTION OF THE AVIAN FEEDING APPARATUS* (*B006909 X03*); 12 MONTHS $24,000

MCKENNA, MALCOLM C; *DOCTORAL DISSERTATION RESEARCH-NORTH AMERICAN MIOCENE AND PLIOCENE CHALICOTHERES* (*B033496*); 12 MONTHS $1,000

CORNELL UNIVERSITY

POUGH, F HARVEY; *ENVIRONMENTAL ADAPTATIONS IN THE BLOOD OF AMPHIBIANS AND REPTILES* (*B018985 001*); 24 MONTHS $30,000

MOORE, HAROLD E; *STUDIES TOWARD A GENERA PALMARUM* (*B020348 X01*); 11 MONTHS $42,900

BRADBURY, JACK W; *DOCTORAL DISSERTATION RESEARCH- THE ADAPTIVE SIGNIFICANCE OF SOCIAL BEHAVIOR IN NEOTROPICAL BATS* (*B030254*); 12 MONTHS $2,900

EISNER, THOMAS; *DOCTORAL DISSERTATION - COMPARATIVE ETHOLOGY AND ECOLOGY OF TROPICAL FOREST SCIURIDAE* (*B030361*); 24 MONTHS $2,500

WHITTAKER, ROBERT H; *COMMUNITY FUNCTION AND GRADIENT ANALYSIS* (*B030679*); 24 MONTHS $80,300

BATES, DAVID M; *STUDIES IN THE NORTH AMERICAN MALVACEAE (B030842 X00)*; 12 MONTHS $12,000

LIKENS, GENE; *HYDROLOGIC-NUTRIENT CYCLE INTERACTION IN UNDISTURBED AND MANIPULATED FOREST ECOSYSTEMS (B030967 X00)*; 12 MONTHS $108,100

CADE, THOMAS J; *ETHOLOGY AND ECOLOGY OF FALCONS AND OTHER RAPTORS (B031547)*; 24 MONTHS $45,300

BROWN, WILLIAM L JR; *RECLASSIFICATION OF THE FORMICIDAE (B031662 X00)*; 12 MONTHS $12,300

BERG, CLIFFORD O; *BIOLOGY OF THE SCIOMYZIDAE (B032917 X00)*; 12 MONTHS $20,000

FEENY, PAUL P; *COMPARATIVE ENERGETICS, POPULATION, AND CHEMICAL ECOLOGY OF HERBIVOROUS INSECTS (B033398)*; 24 MONTHS $60,000

HUNTER COLLEGE

HASCHEMEYER, AUDREY E; *CONTROL OF PROTEIN SYNTHESIS IN TEMPERATURE ACCLIMATION OF MARINE ORGANISMS (B014570 001)*; 24 MONTHS $32,000

NEW YORK BOTANICAL GARDEN

HOLMGREN, PATRICIA; *OPERATIONAL SUPPORT OF A RESEARCH FACILITY (B027692 X01)*; 12 MONTHS $99,400

DUMONT, KENT P; *MONOGRAPHIC STUDIES IN THE SCLEROTINIACEAE AND OTHER RELATED DISCOMYCETES (B028593 001)*; 12 MONTHS $15,000

MICKEL, JOHN T; *PTERIDOPHYTE FLORA OF THE STATE OF OAXACA, MEXICO (B030859 X00)*; 12 MONTHS $16,900

HOLMGREN, NOEL H; *VASCULAR PLANTS OF THE INTERMOUNTAIN WEST (B030894)*; 24 MONTHS $56,000

IRWIN, HOWARD S; *REVISION OF THE GENUS DECLIEUXIA (RUBIACEAC) DOCTORAL DISSERTATION RESEARCH (B031978)*; 12 MONTHS $2,200

STEERE, WILLIAM C; *ARCTIC AMERICAN MOSSES (B032004 X00)*; 12 MONTHS $31,000

KOYAMA, TETSUO; *TROPICAL AMERICAN CYPERACEAE (B032098 X00)*; 12 MONTHS $20,000

PRANCE, GHILLEAN T; *A PLANT SURVEY OF BRAZILIAN AMAZONIA (B032575 X00)*; 12 MONTHS $11,900

NEW YORK UNIVERSITY

HAPP, GEORGE M, AND UNDERWOOD, GRAHAM; *SYMBIOTIC INTERACTION BETWEEN BARK BEETLE AND FUNGUS (B029502 X01)*; 12 MONTHS $26,200

PERLMUTTER, ALFRED; *ENVIRONMENT RELATED TO DISEASE RESISTANCE OF FISHES (B031467)*; 24 MONTHS $62,000

STATE UNIVERSITY AT BINGHAMTON

GRIERSON, JAMES D, AND BONAMO, PATRICIA M; *PALEOBOTANICAL STUDY OF THE DEVONIAN-MISSISSIPPIAN TRANSITION FLORA OF THE CATSKILL DELTA (B013098 001)*; 24 MONTHS $41,700

STATE UNIVERSITY AT BUFFALO

PATTEE, HOWARD H; *PRIMEVAL ECOSYSTEM - THE DYNAMICS OF PHYSICAL AND INFORMATIONAL NETWORKS AT THE ORIGIN OF LIFE (B033478)*; 18 MONTHS $12,000

STATE UNIVERSITY AT STONY BROOK

SOKAL, ROBERT R; *ECOGENETIC PROCESSES IN LABORATORY INSECT POPULATIONS (B015146 001)*; 24 MONTHS $69,900

FUTUYMA, DOUGLAS J; *DOCTORAL DISSERTATION- ARTHROPOD COMMUNITIES ASSOCIATED WITH THE INFLORESCENCES OF HELICONIA (B030542)*; 12 MONTHS $2,900

NORTH CAROLINA

DUKE UNIVERSITY

STONE, DONALD E; *SYSTEMATIC STUDIES ON THE JUGLANDACEAE (B028525 X01)*; 12 MONTHS $13,000

KRAMER, PAUL J; *CONFERENCE ON THE USE OF PHYTOTRONS FOR RESEARCH IN ENVIRONMENTAL PHYSIOLOGY (B031286)*; 12 MONTHS $6,100

LIVINGSTONE, DANIEL A; *DYNAMICS OF PRODUCTIVITY IN TROPICAL AFRICAN LAKES (B033310 X00)*; 12 MONTHS $100,000

BILLINGS, W D; *DOCTORAL DISSERTATION RESEARCH - ECOLOGY OF 'ESPELETIA' IN THE VENEZUELAN HIGH ANDES (B034882)*; 18 MONTHS $4,000

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

RADFORD, ALBERT E; *VASCULAR FLORA OF THE SOUTHEASTERN UNITED STATES (B008203 002)*; 12 MONTHS $18,500

PARKS, CLIFFORD R; *CHEMOTAXONOMIC ANALYSIS OF VARIATION PATTERNS IN THE AMPHIDIPLOID COTTONS (B030780)*; 24 MONTHS $30,000

STIVEN, ALAN E; *POPULATION STUDIES OF GASTROPOD HERBIVORE -DETRITUS SYSTEMS (B030955)*; 24 MONTHS $50,000

WESTERN CAROLINA UNIVERSITY

COYLE, FREDERICK A; *SYSTEMATICS AND NATURAL HISTORY OF THE SPIDER GENUS 'ALIATYPUS' (B034128)*; 24 MONTHS $12,200

DUKE UNIVERSITY-MARINE LABORATORY

SULLIVAN, J BOLLING; *STRUCTURE-FUNCTION AND EVOLUTION OF HEMOCYANINS (B031241)*; 24 MONTHS $56,000

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL-INSTITUTE OF FISHERIES RESEARCH

SCHWARTZ, FRANK J; *DISSERTATION RESEARCH- SYSTEMATICS AND COMPARATIVE BIOLOGY OF THE GENUS DIPLECTRUM (PISCES) (B034290)*; 12 MONTHS $1,800

OHIO

MIAMI UNIVERSITY

ESHBAUGH, W HARDY; *BIOSYSTEMATICS AND EVOLUTION OF THE 'CAPSICUM PUBESCENS' COMPLEX (B031932)*; 24 MONTHS $17,300

OBERLIN COLLEGE

BENZING, DAVID H; *ECOLOGY AND ADAPTIVE BIOLOGY OF AN ATMOSPHERIC BROMELIAD (B008790 001)*; 24 MONTHS $21,000

OHIO STATE UNIVERSITY

COLINVAUX, PAUL A; *ECOLOGICAL STUDIES OF THE GALAPAGOS ISLANDS (B029065 X01)*; 12 MONTHS $31,900

MACIOR, LAZARUS W; *DYNAMICS OF INSECT-MEDIATED BREEDING SYSTEMS IN ANGIOSPERMS (B029160 X01)*; 12 MONTHS $15,400

STUESSY, TOD F; *DISSERTATION RESEARCH ON SYSTEMATICS OF 'GALINSOGA' AND 'PECTIS' (B030240)*; 30 MONTHS $5,000

MOMOT, WALTER T; *POPULATION DYNAMICS AND PRODUCTIVITY OF NATURAL POPULATIONS OF ORCONECTES VIRILIS HAGEN (B032197)*; 24 MONTHS $18,000

OKLAHOMA

UNIVERSITY OF OKLAHOMA

SCHNELL, GARY D; *AN ANALYSIS OF THE COVARIANCE OF PATTERNS OF GENIC AND MORPHOLOGIC VARIATION IN NATURAL POPULATIONS (B030814)*; 12 MONTHS $18,200

SCHNELL, GARY; *DOCTORAL DISSERTATION RESEARCH- SYSTEMATICS AND ECOLOGY OF KANGAROO RATS (B033062)*; 12 MONTHS $3,600

OREGON

OREGON STATE UNIVERSITY

OMAN, PAUL; *PHYLOGENY AND DISTRIBUTION OF NEARCTIC AND PALEARCTIC LEAFHOPPERS (B028292 001)*; 12 MONTHS $10,600

DAWSON, PETER S; *EVOLUTION OF COMPETITIVE ABILITY (B030868)*; 24 MONTHS $28,000

RITCHER, PAUL O; *SYSTEMATICS OF SCARABAEID LARVAE AND ADULTS (B031129)*; 24 MONTHS $38,000

UNIVERSITY OF OREGON - EUGENE

CASTENHOLZ, RICHARD W; *ECOLOGY AND PHYSIOLOGY OF PHOTOSYNTHETIC MICROORGANISMS OF HOT SPRINGS (B031945 X00)*; 12 MONTHS $38,000

PENNSYLVANIA

ACADEMY OF NATURAL SCIENCE OF PHILADELPHIA

DROUET, FRANCIS; *REVISION OF THE NOSTOCACEAE WITH TORULOSE IRICHOMES (B018535 001)*; 24 MONTHS $34,200

GOULDEN, CLYDE E; *EFFECTS OF MIDGE PREDATION ON ABUNDANCE AND DIVERSITY OF CHYDORID CLADOCERA (B028707 X01)*; 12 MONTHS $25,000

RENTZ, DAVID C; *A GENERIC REVISION OF THE SHIELD-BACKED KATYDIDS OF THE WORLD (B031044)*; 24 MONTHS $22,200

ROBACK, SELWYN S; *THE IMMATURE CHIRONOMIDAE (B032069 X00)*; 12 MONTHS $17,000

ROBERTSON, ROBERT, AND DAVIS, GEORGE M; *CURATION, IMPROVEMENT AND SERVICE FUNCTIONS OF A MAJOR SYSTEMATIC COLLECTION OF RECENT MOLLUSKS (B033796 X00)*; 12 MONTHS $26,200

SCHUYLER, ALFRED E, AND MEARS, JAMES A; *CARE AND MAINTENANCE OF THE ACADEMY HERBARIUM (B033797 X00)*; 12 MONTHS $46,700

BOHLKE, JAMES E; *CURATING THE ACADEMY'S FISH COLLECTION (B033885 X00)*; 12 MONTHS $48,000

CARNEGIE INSTITUTE

DAWSON, MARY R, AND BLACK, CRAIG C; *EVOLUTION AND PALEOECOLOGY OF LATE EOCENE AND OLIGOCENE MAMMALS (B030840 X00)* 12 MONTHS $9,700

CARNEGIE-MELLON UNIVERSITY

GUILDAY, JOHN E; *PLEISTOCENE FAUNAS OF THE APPALACHIAN KARST REGION (B018706 X01)*; 12 MONTHS $7,500

SWARTHMORE COLLEGE

WEBER, NEAL A; *ECOLOGICAL STUDY OF ATTINE ANTS (B031131)*; 24 MONTHS $14,000

UNIVERSITY OF PENNSYLVANIA

RICKLEFS, ROBERT E; *THE NATURE OF ADAPTATION (B031554 X00)*; 12 MONTHS $40,000

LI, HUI-LIN; *A FLORA OF TAIWAN (B034207)*; 24 MONTHS $41,000

UNIVERSITY OF PITTSBURGH

COWGILL, U M; *GEOCHEMICAL AND MINERALOGICAL HISTORY OF THE HULEH BASIN* (*B008631 001*); 24 MONTHS $65,000

RHODE ISLAND

BROWN UNIVERSITY

DICK, ESTHER A; *STUDIES IN THE GENUS LECCINUM* (*B031208*); 12 MONTHS $3,500

SOUTH DAKOTA

SOUTH DAKOTA STATE UNIVERSITY

GREICHUS, YVONNE A; *EFFECTS OF POLYCHLORINATED BIPHENYLS AND DDT ON PELICANS* (*B019121 001*); 24 MONTHS $72,000

TENNESSEE

UNIVERSITY OF TENNESSEE, KNOXVILLE

SHARP, AARON J; *DOCTORAL DISSERTATION RESEARCH- AN ECOLOGICAL STUDY OF MOSSES* (*B030073*); 16 MONTHS $1,800

PETERSEN, RONALD H; *THE GENUS 'RAMARIA' IN NORTH AMERICA* (*B032104*); 24 MONTHS $21,500

EVANS, A MURRAY; *DOCTORAL DISSERTATION RESEARCH- REVISIONS IN GENUS 'HETEROTHECA'* (*B033059*); 12 MONTHS $800

TEXAS

RICE UNIVERSITY

THOMPSON, JAMES R; *A MATHEMATICAL MODELLING APPROACH TO MOSQUITO CONTROL* (*B033689*); 12 MONTHS $25,000

SOUTHERN METHODIST UNIVERSITY

SLAUGHTER, BOB H; *RECOVERY AND STUDY OF TERTIARY MICROVERTEBRATE REMAINS FROM THE GULF COASTAL PLAIN* (*B028598 X01*); 12 MONTHS $9,000

TEXAS A & M UNIVERSITY

SCHAFFNER, JOSEPH C; *DISSERTATION RESEARCH- A SYSTEMATIC REVISION OF THE GENUS ZELUS (HEMIPTERA)* (*B032866*); 6 MONTHS $1,000

SCHAFFNER, JOSEPH C; *DISSERTATION RESEARCH- A SYSTEMATIC REVISION OF THE GENUS ZELUS (HEMIPTERA)* (*B032866 001*); $200

TEXAS TECH UNIVERSITY

BAKER, ROBERT J; *KARYOTYPIC STUDIES OF PHYLLOSTOMATIDAE* (*B029132 X01*); 12 MONTHS $4,000

UNIV OF TEX MD ANDRSN HOSP & TUM INST AT HUSTN

HSU, TAO-CHIUH; *DNA HOMOLOGY BETWEEN RELATED MAMMALIAN SPECIES* (*B013661 001*); 24 MONTHS $42,000

UNIV OF TEXAS AT AUSTIN

ALEXOPOULOS, CONSTANTINE; *EXPERIMENTAL APPROACH TO THE TAXONOMY OF THE SLIME MOLDS (MYXOMYCETES)* (*B006812 X03*); $18,700

BOLD, HAROLD C; *TAXONOMIC STUDIES OF ALGAE* (*B007987 X02*); 12 MONTHS $13,500

TURNER, B L; *DOCTORAL DISSERTATION RESEARCH- NORTH AMERICAN -SOUTH AMERICAN DESERT DISJUNCTS IN HYMENOXYS* (*B030230*); 12 MONTHS $1,900

JOHNSTON, MARSHALL C; *FLORA OF THE CHIHUAHUAN DESERT* (*B030867*); 24 MONTHS $46,900

PIANKA, ERIC R; *A COMPARISON OF THREE INDEPENDENTLY EVOLVED ECOLOGICAL SYSTEMS* (*B031006*); 24 MONTHS $25,000

TURNER, B L, AND FLAKE, R H; *PUTATIVE ALLOPATRIC INTROGRESSION INVOLVING JUNIPERUS* (*B031048*); 24 MONTHS $43,200

MABRY, T J; *DISSERTATION RESEARCH- BIOCHEMICAL SYSTEMATICS OF 'PARTHENIUM' (COMPOSITAE)* (*B034127*); 12 MONTHS $2,000

COLE, GARRY T; *EXPERIMENTAL-TAXONOMIC STUDIES OF HYPHOMYCETES* (*B034130*); 24 MONTHS $27,000

UNIV OF TEXAS MEDICAL SCHOOL AT SAN ANTONIO

CAMERON, IVAN L; *TOXICITY BIOASSAY FOR WATER POLLUTANTS* (*B031580*); 12 MONTHS $19,900

UNIV OF TEXAS SCH OF PUBLIC HEALTH AT HUSTN

HACKER, CARL S; *A MATHEMATICAL MODELING APPROACH TO MOSQUITO CONTROL* (*B033688*); 12 MONTHS $20,000

TEXAS A & M UNIVERSITY-TEXAS AGRICULTURAL EXPERIMENT STATION

GOULD, FRANK W; *SYSTEMATIC GRASS STUDIES AT THE KEW HERBARIUM* (*B032948*); 12 MONTHS $1,350

UTAH

BRIGHAM YOUNG UNIVERSITY

WOOD, STEPHEN L; *A TAXONOMIC MONOGRAPH OF THE BARK AND AMBROSIA BEETLES* (*B012437 001*); 24 MONTHS $30,000

WEBER, DARRELL J, ANDERSEN, W R, HESS, W M, AND VERNON, L P; *EFFECT OF SALINITY ON CELL ORGANELLES AND THE PHOTOSYNTHETIC PROCESS IN HALOPHYTES* (*B031067*); 24 MONTHS $30,000

UNIVERSITY OF UTAH

ROBISON, RICHARD A; *AGNOSTID TRILOBITES OF NORTH AMERICA* (*B008745 001*); 24 MONTHS $32,000

WIENS, DELBERT; *MONOGRAPHIC STUDIES ON LORANTHACEAE AND VISCACEAE* (*B027273 002*); $3,600

GAUFIN, ARDEN R; *ECOLOGY OF STONEFLIES (PLECOPTERA) OF THE INTERMOUNTAIN REGION* (*B032155*); 24 MONTHS $16,700

UTAH STATE UNIVERSITY

SKUJINS, JOHN J; *SYMPOSIUM ON ENVIRONMENTAL BIOGEOCHEMISTRY* (*B033319*); 24 MONTHS $7,000

VERMONT

WINDHAM COLLEGE

TSENG, CHARLES C; *COMPARATIVE PALYNOLOGICAL STUDIES IN ARALIACEAE* (*B031288*); 24 MONTHS $13,400

TSENG, CHARLES C; *COMPARATIVE PALYNOLOGICAL STUDIES IN ARALIACEAE* (*B031288 001*); $6,100

VIRGINIA

ROANOKE COLLEGE

JENKINS, ROBERT E; *STUDIES OF THE CATOSTOMID FISHES* (*B031055*); 24 MONTHS $9,400

UNIVERSITY OF VIRGINIA

KELLY, MAHLON G; *STREAM EUTROPHICATION INDICES FROM FIELD MEASURED AND SIMULATED BIOLOGICAL ENERGY BUDGETS* (*B032914*); 24 MONTHS $24,100

VIRGINIA POLYTECHNIC INSTITUTE

KOSZTARAB, MICHAEL; *SYSTEMATIC STUDY OF SCALE INSECTS* (*B006885 X03*); 12 MONTHS $16,600

WASHINGTON

UNIVERSITY OF WASHINGTON

TSUKADA, MATSUO; *PAST VEGETATION AND DYNAMICS OF LAKE ECOSYSTEMS* (*B015300 001*); 24 MONTHS $72,000

EDMONDSON, W T, ORIANS, G H, PAINE, R T, KOHN , A J, AND PAULSON, D R; *GRADUATE STUDENT RESEARCH AND TRAINING IN ECOLOGY* (*B020978 001*); 9 MONTHS $25,000

GARA, ROBERT I, AND HRUTFIORD, BJORN F; *FLIGHT AND HOST SELECTION BEHAVIOR OF THE MAHOGANY SHOOT BORER* (*B029112 X01*); 12 MONTHS $10,000

STALEY, JAMES T; *BIOLOGY OF PROSTHECATE BACTERIA* (*B030313*); 18 MONTHS $17,500

ORIANS, GORDON H; *CONFERENCE ON ECOSYSTEM STABILITY* (*B030522*); 6 MONTHS $1,200

KOHN, ALAN J; *DOCTORAL DISSERTATION RESEARCH - ECOLOGY OF PREDATORY GASTROPODS AND THEIR PREY* (*B030777*); 24 MONTHS $2,400

HASKINS, EDWARD F; *LIFE HISTORY OF THE MYXOMYCETE 'ECHINOSTELIUM'* (*B031243*); 24 MONTHS $25,000

PAINE, ROBERT T; *DOCTORAL DISSERTATION RESEARCH - COEXISTENCE IN SYMPATRIC HERMIT CRABS* (*B031536*); 24 MONTHS $3,100

KOHN, ALAN J; *INDO-WEST PACIFIC MARINE MOLLUSKS OF THE FAMILY CONIDAE* (*B032105 X00*); 12 MONTHS $22,000

KOHN, ALAN J; *INDO-WEST PACIFIC MARINE MOLLUSKS OF THE FAMILY CONIDAE* (*B032105 X01*); $3,875

PAINE, ROBERT T; *EFFECTS OF AN INTRODUCED PREDATOR ON A TROPICAL LAKE ECOSYSTEM* (*B033396*); 24 MONTHS $90,000

ORIANS, GORDON H; *DOCTORAL DISSERTATION RESEARCH- BIRD COMMUNITY STRUCTURE IN ALDER FORESTS* (*B034885*); 6 MONTHS $1,500

WASHINGTON STATE UNIVERSITY

BERRYMAN, ALAN A, AND PIENAAR, LEON V; *COMPUTER SIMULATION OF POPULATION DYNAMICS OF SCOLYTUS VENTRALIS INFESTING ABIES GRANDIS* (*B030752*); 24 MONTHS $36,200

AKRE, ROGER D; *THE BIOLOGY AND BEHAVIOR OF INSECT PREDATORS* (*B030922*); 24 MONTHS $17,300

WISCONSIN

LAWRENCE UNIVERSITY

YOUNG, ALLEN M; *ECOLOGICAL STUDIES OF NEOTROPICAL CICADAS* (*B033060*); 36 MONTHS $42,500

UNIVERSITY OF WISCONSIN, MADISON

SENN, HAROLD A; *OPERATION OF THE BIOTRON* (*B004371 005*); 24 MONTHS $345,000

EVERT, RAY F; *COMPARATIVE STRUCTURE OF THE PHLOEM IN LOWER VASCULAR PLANTS* (*B008330 001*); 24 MONTHS $50,000

KEITH, LLOYD B; *ANALYSES OF CERTAIN POPULATION PHENOMENA DURING A CYCLIC PEAK OF SNOWSHOE HARES* (*B012631 001*); 12 MONTHS $8,000

MAGNUSON, JOHN J; *BEHAVIOR AND SURVIVAL OF FRESHWATER FISHES EXPOSED TO SEVERE OXYGEN DEPLETION* (*B018272 001*); 12 MONTHS $20,000

BROCK, THOMAS D; *MICROBIAL ECOLOGY OF THERMAL ENVIRONMENTS (B030075)*; 12 MONTHS $27,500

MITCHELL, JOHN E; *EFFECT OF SOIL AERATION ON ROOT EXUDATION AND FUNGAL DETERIORATION OF ROOT TISSUE (B030885)*; 24 MONTHS $48,000

PORTER, W P, MITCHELL, J W, AND BECKMAN, W A; *ENERGY BUDGETS, MICROMETEOROLOGY AND PREDATOR-PREY INTERACTIONS (B031043*)*; 12 MONTHS $35,000

THOMSON, JOHN W; *STUDIES ON AMERICAN ARCTIC LICHENS (B031115 X00)*; 12 MONTHS $8,300

HASLER, ARTHUR D; *LIMNOLOGICAL INTERACTIONS STRESSING TEMPERATURE EFFECTS (B031678)*; 24 MONTHS $60,400

STAIRS, GERALD R; *DNA SEQUENCE IN SELECTED POPULATIONS OF 'PINUS BANKSIANA' (B032092)*; 24 MONTHS $26,900

FITCH, WALTER M; *SPECIAL APPROACHES TO THE STUDY OF EVOLUTIONARY RELATIONSHIPS (B032274 X00*)*; 12 MONTHS $33,000

KEITH, LLOYD B; *POPULATION DYNAMICS IN A SNOWSHOE HARE DECLINE (B033320 X00)*; 12 MONTHS $31,000

HASLER, ARTHUR D; *WORKSHOP ON ECOLOGICAL RESEARCH PRIORITIES IN THE TROPICS (C738000)*; 15 MONTHS $79,084

HASLER, ARTHUR D; *SUPPORT FOR INTERNATIONAL ASSOCIATION FOR ECOLOGY (F028723 X01*)*; 12 MONTHS $3,060

WYOMING

UNIVERSITY OF WYOMING

LAVIGNE, ROBERT J; *COMPARATIVE BEHAVIOR OF THE DIPTERAN FAMILY ASILIDAE (B029617 X01)*; 12 MONTHS $10,300

CRAWFORD, DANIEL J; *SYSTEMATIC STUDIES ON WESTERN NORTH AMERICAN SPECIES OF 'CHENOPODIUM' (B029793 X01)*; 12 MONTHS $8,900

BOYD, DONALD W, AND NEWELL, NORMAN D; *PERMIAN BIVALVE MOLLUSCS FROM THE WESTERN UNITED STATES (B030795)*; 24 MONTHS $25,000

REEDER, JOHN R, AND CRAWFORD, DANIEL J; *DOCTORAL DISSERTATION RESEARCH- A BIOSYSTEMATIC STUDY OF 'SALIX,' SECTIONS 'CORDATAE' AND 'COMMUTATAE' (B033470)*; 24 MONTHS $4,200

PHYSIOLOGICAL PROCESSES

ALABAMA

UNIVERSITY OF ALABAMA IN BIRMINGHAM

HIRAMOTO, RAYMOND N; *CELLULAR ANTIBODY RESPONSE (B013804 002)*; 12 MONTHS $15,000

SACHS, GEORGE, AND SHOEMAKER, P L; *MICROELECTRODE STUDIES OF NECTURUS GASTRIC MUCOSA (B031075)*; 24 MONTHS $40,000

TUSKEGEE INSTITUTE-GEORGE WASHINGTON CARVER FOUNDATION

HENDERSON, JAMES H M; *ISOENZYMOUS NATURE OF IAA-OXIDASE FROM THE COLEOPTILES OF AVENA (B030896)*; 24 MONTHS $12,200

TUSKEGEE INSTITUTE-SCHOOL OF VETERINARY MEDICINE

SIDDIQUE, IRTAZA H; *STUDIES ON THE PATHOGENESIS OF LISTERIAL INFECTIONS (B016968 001)*; 24 MONTHS $25,300

VERMA, O P, AND WALKER, C A; *IN VIVO STUDIES ON THE AVIAN OVIDUCT MOTILITY (B034331)*; 24 MONTHS $25,000

ARIZONA

ARIZONA STATE UNIVERSITY

REEVES, HENRY C; *PHYSICO-CHEMICAL STUDIES OF NADP ISOCITRATE DEHYDROGENASE (B016265 001)*; 24 MONTHS $45,000

UNIVERSITY OF ARIZONA

JENSEN, RICHARD G; *CONTROL OF CELLULAR PROCESSES DURING PHOTOSYNTHESIS (B027453 001)*; 24 MONTHS $27,000

UNIVERSITY OF ARIZONA-COLLEGE OF MEDICINE

DANTZLER, WILLIAM H; *EXCRETORY FUNCTION IN VERTEBRATES (B028692 X01)*; 12 MONTHS $15,700

CHVAPIL, MILOS; *PHYLOGENY OF PROTOCOLLAGEN PROLINE HYDROXYLASE (B033928)*; 24 MONTHS $45,000

ARKANSAS

UNIVERSITY OF ARKANSAS-UNIVERSITY OF ARKANSAS MEDICAL CENTER

WADKINS, CHARLES L; *OXIDATIVE PHOSPHORYLATION STUDIES (B015383 001)*; 24 MONTHS $55,000

PAULY, JOHN E, AND SCHEVING, LAWRENCE E; *INTERNATIONAL MEETING OF THE SOCIETY FOR THE STUDY OF BIOLOGICAL RHYTHMS (B030601)*; 18 MONTHS $4,200

SMITH, W GRADY; *AMINO ACID METABOLISM IN BACTERIA (B033906 X00)*; 12 MONTHS $24,000

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

WIERSMA, C A G; *NERVOUS SYSTEM OF CRUSTACEANS AND OTHER ARTHROPODS (B006931 X03)*; 12 MONTHS $41,800

CALIFORNIA STATE UNIVERSITY, LOS ANGELES

ANDREOLI, ANTHONY J; *STUDY OF ENZYME PATTERNS IN 'BACILLUS MEGATERIUM' DURING SPORULATION (B015773 001)*; $2,500

CITY OF HOPE MEDICAL CENTER

LEVINE, RACHMIEL; *MECHANISMS UNDERLYING THE ANABOLIC EFFECTS OF INSULIN (B030910)*; 24 MONTHS $56,200

OCCIDENTAL COLLEGE

MORTON, MARTIN L; *ANNUAL CYCLE OF LIPID RESERVES (B0291[illegible]6 X01)*; 12 MONTHS $8,800

PROFESSIONAL STAFF ASSN OF LOS ANGELES COUNTY

RUSSELL, FINDLAY E; *ELECTRON MICROSCOPY OF THE BLACK WIDOW SPIDER AND SCORPION VENOM GLANDS (B017573 001)*; $1,100

RUSSELL, FINDLAY E; *ELECTRON MICROSCOPY, AND CHEMICAL AND PHYSIOPHARMACOLOGICAL PROPERTIES OF THE SPIDER VENOM APPARATUS (B017573 002)*; 24 MONTHS $35,000

SALK INSTITUTE FOR BIOLOGICAL STUDIES

GOSPODAROWICZ, DENIS J; *INTERACTION OF LH WITH LUTEAL CELLS (B034115)*; 12 MONTHS $40,000

SCRIPPS CLINIC AND RESEARCH FOUNDATION

DANDLIKER, WALTER B; *FLUORESCENT HAPTEN-ANTIHAPTEN REACTIONS (B031611)*; 24 MONTHS $60,000

STANFORD UNIVERSITY

RAY, PETER M; *CELL WALL METABOLISM AND AUXIN ACTION (B033927 X00)*; 12 MONTHS $55,000

UNIVERSITY OF CALIFORNIA, BERKELEY

HASSID, WILLIAM Z; *ENZYMATIC REACTIONS OF SUGAR NUCLEOTIDES (B011819 001)*; 24 MONTHS $73,000

YARWOOD, C E; *PREDISPOSITION TO DISEASE IN PLANTS (B025122 001)*; 24 MONTHS $40,000

ARNON, DANIEL I; *BIOENERGETIC AND SYNTHETIC MECHANISMS IN PHOTOSYNTHESIS (B030494 X00)*; 12 MONTHS $70,600

JENSEN, WILLIAM A; *THE ROLE OF MEMBRANES IN DOUBLE FERTILIZATION IN ANGIOSPERMS (FLOWER PLANTS) (B031101)*; 24 MONTHS $68,500

TANADA, Y; *RESISTANCE OF INSECT AND VECTOR TO INFECTIOUS DISEASE (B032195)*; 24 MONTHS $52,000

UNIVERSITY OF CALIFORNIA, DAVIS

KOSUGE, TSUNE; *REGULATION OF AROMATIC AMINO ACID BIOSYNTHESIS IN HIGHER PLANTS (B015496 001)*; 24 MONTHS $37,300

STUMPF, PAUL K; *ENZYMATIC MECHANISMS INVOLVED IN LIPID METABOLISM IN HIGHER PLANTS (B019733 X02)*; 14 MONTHS $42,800

CONN, ERIC E; *ENZYMIC ASPECTS OF CYANOGENIC GLYCOSIDE BIOSYNTHESIS (B030319 X00)*; 12 MONTHS $22,000

SMITH, ROBERT E; *NEUROHUMORAL CONTROL OF THERMOGENESIS IN BROWN ADIPOSE TISSUE (B030594)*; 24 MONTHS $60,100

CASTELFRANCO, PAUL A; *CHLOROPHYLL BIOSYNTHESIS AND PLASTID DIFFERENTIATION IN CELL FREE ORGANELLE PREPARATIONS (B031261)*; 24 MONTHS $54,000

CURRY, DONALD L; *FACTORS CONTROLLING INSULIN SECRETION (B032490)*; 24 MONTHS $32,400

DUNIWAY, JOHN M; *WATER RELATIONS STUDIES ON PHYTOPHTHORA ROOT OF SAFFLOWER (B032809)*; 24 MONTHS $30,000

YANG, SHANG FA; *MECHANISM AND REGULATION OF ETHYLENE BIOSYNTHESIS (B033907 X00)*; 12 MONTHS $20,300

EPSTEIN, EMANUEL; *SALINITY AND SALT TRANSPORT IN PLANTS (B033924 X00)*; 12 MONTHS $29,000

UNIVERSITY OF CALIFORNIA, LOS ANGELES

GROSSMAN, MORTON I; *PANCREATIC AND BILIARY PHYSIOLOGY (B007285 X03)*; 12 MONTHS $13,300

MUSCATINE, LEONARD; *BIOCHEMISTRY AND PHYSIOLOGY OF PLANT-ANIMAL SYMBIOSIS (B011940 001)*; 24 MONTHS $40,800

ENGELMANN, FRANZ; *REGULATION OF REPRODUCTION AND PROTEIN BIOSYNTHESIS IN INSECTS (B014965 001)*; 24 MONTHS $62,000

ATKINSON, DANIEL E; *INTERACTIONS OF CYTOPLASMIC REGULATORY PARAMETERS WITH MITOSIS, ENZYME REPRESSION, AND DIFFERENTIATION (B028458 X01)*; 12 MONTHS $29,200

HAMNER, KARL C; *THE BIOLOGICAL CLOCK AND PLANT REPRODUCTION (B030608)*; 24 MONTHS $56,800

GORDON, MALCOLM S; *STUDIES IN THE ECOLOGICAL PHYSIOLOGY OF AMPHIBIOUS FISHES (B031180)*; 12 MONTHS $8,100

LASCELLES, JUNE; *THE REGULATION OF TETRAPYRROLE SYNTHESIS AND ASSOCIATED COMPLEXES (B032113 X00)*; 12 MONTHS $26,000

GEISSMAN, THEODORE A; *STUDIES IN PHYTOCHEMISTRY (B033724 X00)*; 12 MONTHS $24,000

UNIVERSITY OF CALIFORNIA, SAN DIEGO

CHRISPEELS, MAARTEN J; *BIOSYNTHESIS OF CELL WALL GLYCOPROTEIN (B030235)*; 24 MONTHS $35,000

KAPLAN, NATHAN O, AND WITHOLT, BERNARD; *MEMBRANE ASSOCIATED ENZYME SYSTEMS (B030883)*; 24 MONTHS $38,000

SPOONER, CHARLES E; *CHEMICAL AND CELLULAR BASIS OF LOCOMOTOR ACTIVITY IN THE MARINE TELEOST (OXYJULIUS CALIFORNICA) (B033061)*; 24 MONTHS $20,000

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

HOLMES, WILLIAM N; *ENDOCRINE FACTORS ASSOCIATED WITH THE WATER AND ELECTROLYTE REGULATION IN BIRDS (B020806 001)*; $3,700

HOLMES, WILLIAM N; *ENDOCRINE FACTORS ASSOCIATED WITH THE WATER AND ELECTROLYTE REGULATION IN BIRDS (B020806 002)*; $7,100

HOLMES, WILLIAM N; *ENDOCRINE FACTORS ASSOCIATED WITH WATER AND ELECTROLYTE METABOLISM IN BIRDS (B020806 003)*; 24 MONTHS $50,000

CHAFFEE, ROWAND R J; *PRIMATE THERMAL ACCLIMATION BIOCHEMISTRY AND PHYSIOLOGY (B031210)*; 24 MONTHS $35,000

UNIVERSITY OF SOUTHERN CALIFORNIA

BRODIE, ARNOLD F; *PHOTOCATALYZED REACTION OF BIOENERGETIC ENZYMES (B032351 X00)*; 12 MONTHS $37,100

STANFORD UNIVERSITY-SCHOOL OF MEDICINE

ROSENQUIST, GRACE L, AND RAFFEL, SIDNEY; *PHYLOGENY OF THE IMMUNE RESPONSE (B015748 001)*; 12 MONTHS $18,000

UNIVERSITY OF CALIFORNIA, DAVIS-AGRICULTURAL EXPERIMENT STATION

SPURR, ARTHUR R; *SODIUM DISTRIBUTION IN THE TISSUES OF LYCOPERSICON SPECIES (B030541)*; 12 MONTHS $3,300

UNIVERSITY OF CALIFORNIA, DAVIS-SCHOOL OF MEDICINE

BENJAMINI, ELIEZER, AND SHIFRINE, MOSHE; *THE PREFERENTIAL INDUCTION OF SPECIFIC CELL-MEDIATED IMMUNITY AND ITS APPLICATION TO TUMOR REGRESSION (B030697)*; 24 MONTHS $40,000

UNIVERSITY OF CALIFORNIA, LOS ANGELES-SCHOOL OF MEDICINE

WHITE, FRED N; *CIRCULATORY REGULATION IN VERTEBRATES (B008523 001)*; 24 MONTHS $35,600

COOPER, EDWIN L; *EVOLUTION OF CELLULAR IMMUNITY (B017767 001)*; 24 MONTHS $54,000

EISENBERG, ROBERT S; *ANALYSIS OF THE SPATIAL SPREAD OF CURRENT IN STRUCTURES OF BIOLOGICAL SIGNIFICANCE (B024965 001)*; 12 MONTHS $20,000

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCRIPPS INSTITUTION OF OCEANOGRAPHY

SOMERO, GEORGE NICHOLLS; *MOLECULAR MECHANISMS OF TEMPERATURE COMPENSATION IN FISHES (B031106)*; 24 MONTHS $54,000

UNIVERSITY OF CALIFORNIA, SAN FRANCISCO-SCHOOL OF MEDICINE

KEARNEY, EDNA B; *SUCCINIC DEHYDROGENASE- ITS ROLE IN THE REGULATION OF O_2 ADAPTATION AND THE BIOSYNTHESIS OF ITS ACTIVE SITE (B030078)*; 24 MONTHS $32,800

UNIVERSITY OF SOUTHERN CALIFORNIA-SCHOOL OF MEDICINE

JONES, MARY ELLEN; *BIOSYNTHETIC AND TRANSFER REACTIONS (B031537)*; 13 MONTHS $41,700

UNIVERSITY OF THE PACIFIC-PACIFIC MARINE STATION

LOOSANOFF, VICTOR L; *PROPAGATION OF THE AMERICAN OYSTER, CRASSOSTREA VIRGINICA (GMELIN) (B034886)*; 12 MONTHS $9,900

COLORADO

COLORADO STATE UNIVERSITY

HANCHEY, PENELOPE J; *PATHOLOGICAL CHANGES IN PLANT CELL MEMBRANES (B030232)*; 24 MONTHS $16,000

HANAN, JOE J, AND SMITH, J L; *TEMPERATURE IN REPRODUCTIVE STRUCTURES AND ITS EFFECT ON DEVELOPMENT AND REPRODUCTION (B031546)*; 24 MONTHS $28,600

UNIVERSITY OF COLORADO

GAMOW, RUSTEM IGOR; *ADAPTATION IN PHYCOMYCES BY LASER MICROBEAM (B031039)*; 24 MONTHS $30,000

UNIVERSITY OF COLORADO-DENVER MEDICAL CENTER

KATSH, SEYMOUR; *ISOLATION AND CHARACTERIZATION OF ASPERMATOGENIC ANTIGEN AND RESPECTIVE ANTIBODY (B031555 X00)*; 12 MONTHS $40,000

CONNECTICUT

UNIVERSITY OF CONNECTICUT

CHAPPLE, WILLIAM D; *CENTRAL CONTROL OF THE HYDROSTATIC SKELETAL SYSTEM OF THE HERMIT CRAB ABDOMEN (B012368 001)*; 12 MONTHS $12,300

CLARK, NANCY B; *PARATHYROID STRUCTURE AND FUNCTION IN REPTILES (B028553 X01)*; 12 MONTHS $15,600

ROMANO, ANTONIO H; *THE COMPARATIVE PHYSIOLOGY OF SUGAR TRANSPORT IN MICROORGANISMS (B031543)*; 24 MONTHS $33,500

DOEG, KENNETH A; *METABOLIC ALTERATIONS IN DEVELOPING POLYCYSTIC OVARY (B032865)*; 24 MONTHS $25,000

WESLEYAN UNIVERSITY

KIDDER, GEORGE W III; *ENERGY TRANSFER IN GASTRIC ACID SECRETION (B008540 001)*; 24 MONTHS $40,800

YALE UNIVERSITY

RAMUS, J; *PRODUCTION OF EXTRACELLULAR POLYSACCHARIDE BY A UNICELLULAR RED ALGA (B018144 002)*; 24 MONTHS $30,000

URIBE, ERNEST G; *MEMBRANE FUNCTION IN ENERGY FLOW IN CHLOROPLASTS (B021432 001)*; 24 MONTHS $35,700

TRENCH, ROBERT K, AND PROVASOLI, LUIGI; *CHLOROPLAST ENDOSYMBIOSIS AND BIOCHEMICAL AUTONOMY (B034375)*; 24 MONTHS $30,000

YALE UNIVERSITY-SCHOOL OF MEDICINE

KANTOR, FRED S; *MECHANISM OF DELAYED HYPERSENSITIVITY (B013399 001)*; 24 MONTHS $35,000

FORBES, THOMAS R; *ACTION AND LOCALIZATION OF PROGESTINS (B016749 001)*; 24 MONTHS $48,400

DISTRICT OF COLUMBIA

AMERICAN CHEMICAL SOCIETY

SCHULTZ, JULIUS; *TRAVEL TO ATTEND- SYMPOSIUM ON CHEMISTRY AND BIOLOGY OF HYDROXYLATION REACTIONS, WASHINGTON, D. C., SEPTEMBER 1971 (B030425)*; 6 MONTHS $631

GORGAS MEM INST OF TROPICAL & PREVENTIVE MED

STINEBAUGH, BOBBY J; *SYSTEMIC ACIDOSIS DURING CALORIC DEPRIVATION (B030914)*; 12 MONTHS $6,100

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

YAGER, ROBERT H; *PARTIAL SUPPORT OF THE INSTITUTE OF LABORATORY ANIMAL RESOURCES (C310173 002)*; 12 MONTHS $20,000

STEVENS, R B; *SUPPORT OF THE COMMITTEE ON PHOTOBIOLOGY (C310228)*; 12 MONTHS $10,000

FLORIDA

FAIRCHILD TROPICAL GARDEN

BURG, STANLEY P; *CONTROL OF CELL DIVISION AND EXPANSION BY ETHYLENE (B027424 001)*; $1,000

FLORIDA STATE UNIVERSITY

TSCHINKEL, WALTER R; *ISOLATION AND CHARACTERIZATION OF THE SEX PHEROMONE OF THE MEALWORM BEETLE (B031698)*; 24 MONTHS $21,600

PAPANICOLAOU CANCER RESEARCH INSTITUTE

KOHEN, ELLI; *MICROSPECTROFLUORIMETRIC STUDY OF ENZYME SUBSTRATE REACTIONS IN SINGLE LIVING CELLS (B030224)*; 24 MONTHS $29,700

UNIVERSITY OF FLORIDA

HUBBELL, DAVID H; *MECHANISM OF INFECTION OF LEGUMES BY 'RHIZOBIUM' AND ITS RELATION TO SPECIFICITY OF NODULATION (B031307)*; 24 MONTHS $26,400

UNIVERSITY OF MIAMI

EVOY, WILLIAM H; *ARTHROPOD MUSCLE RECEPTOR ORGANS IN CONTROL OF MOTOR COORDINATION (B030605)*; 24 MONTHS $45,700

LOEWENSTEIN, WERNER R; *STUDY OF CELLULAR MEMBRANES (B031211)*; 4 MONTHS $17,000

UNIVERSITY OF SOUTH FLORIDA

FISHEL, CHARLES W; *NATURE OF 'BORDETELLA PERTUSSIS' INDUCED HYPERSENSITIVITY TO HISTAMINE AND SEROTONIN (B027314 002)*; 24 MONTHS $45,600

UNIVERSITY OF MIAMI-SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES

COOKSEY, KEITH E; *METABOLIC STUDIES WITH MARINE MICROALGAE WITH SPECIAL REFERENCE TO PHOTOHETEROTROPHY (B031102)*; 24 MONTHS $35,000

UNIVERSITY OF MIAMI-SCHOOL OF MEDICINE

CATLEY, BRIAN J; *BIOSYNTHESIS OF PULLULAN (B030356)*; 24 MONTHS $18,900

GEORGIA

UNIVERSITY OF GEORGIA

EAGON, ROBERT G; *BACTERIAL TRANSPORT MECHANISMS (B006571 001)*; 24 MONTHS $30,000

CORMIER, MILTON J; *CHEMISTRY AND ENZYMOLOGY OF BIOLUMINESCENCE (B028559 X01)*; 12 MONTHS $39,800

LEGALL, JEAN; *STUDY OF THE ELECTRON TRANSFER CHAIN OF SULFATE REDUCING BACTERIA (B029618 X01)*; 12 MONTHS $24,250

TRITZ, GERALD J; *ELUCIDATION OF THE QUINOLINIC ACID BIOSYNTHETIC PATHWAY IN 'ESCHERICHIA COLI' (B029623 X01)*; 12 MONTHS $16,800

FISHER, DONALD B; *INTERCELLULAR TRANSPORT OF ORGANIC COMPOUNDS IN PLANTS (B033905 X00)*; 12 MONTHS $27,800

FINNERTY, WILLIAM R; *MECHANISMS OF HYDROCARBON OXIDATION BY MICROORGANISMS (B034120)*; 24 MONTHS $30,000

CORMIER, MILTON J, HERCULES, DAVID M, AND LEE, JOHN; *SYMPOSIUM ON CHEMILUMINESCENCE (B034752)*; 12 MONTHS $2,000

EMORY UNIVERSITY-YERKES REGIONAL PRIMATE RESEARCH CENTER

MARTIN, DAVID E; *REPRODUCTIVE PHYSIOLOGY OF PRIMATES (B031329)*; 24 MONTHS $34,600

MARTIN, DAVID E; *REPRODUCTIVE PHYSIOLOGY OF PRIMATES (B031329 001)*; $1,900

NADLER, RONALD D; *EFFECT OF HORMONES ON BRAIN DIFFERENTIATION (B031451)*; 12 MONTHS $2,2[illegible]

HAWAII

UNIVERSITY OF HAWAII

KAMEMOTO, FRED I; *HYDROMINERAL REGULATION AND NEUROENDOCRINE ADAPTATION IN CRUSTACEANS (B030571)*; 24 MONTHS $44,000

YAMAMOTO, HARRY Y; *THE FUNCTION OF CAROTENOIDS IN PHOTOSYNTHESIS (B032022 X00)*; 12 MONTHS $22,000

UNIVERSITY OF HAWAII-SCHOOL OF MEDICINE

WHITTOW, G CAUSEY; *BEHAVIORAL THERMOREGULATION IN MARINE MAMMALS (B029287 X01)*; 12 MONTHS $16,000

GUILLORY, RICHARD J; *MECHANISM OF THE ENERGY LINKED TRANSHYDROGENASE (B030566)*; 12 MONTHS $10,900

ILLINOIS

UNIVERSITY OF CHICAGO

ROTH, LLOYD J; *SEMINAR ON THE USE OF STABLE ISOTOPES IN CLINICAL PHARMACOLOGY (B031144)*; 12 MONTHS $3,000

UNIVERSITY OF ILLINOIS AT URBANA

DICKINSON, DAVID B; *REGULATION OF METABOLISM IN GERMINATING POLLEN (B008764 002)*; 24 MONTHS $30,000

HEATH, JAMES EDWARD; *COMPARATIVE STUDY OF TEMPERATURE REGULATION (B013797 001)*; 24 MONTHS $45,000

GUNSALUS, I C; *ISOPRENOID METABOLISM- REGULATION AND SPECIFICITY (B016312 001)*; $17,500

WOOD, JOHN M; *MICROBIAL DEGRADATION OF AROMATIC NATURAL PRODUCTS AND BIODEGRADABLE INSECTICIDES AND HERBICIDES (B026593 X01)*; 12 MONTHS $20,000

VOSS, EDWARD W JR; *PURIFICATION AND SEPARATION OF ANTIBODY -PRODUCING CELLS (B031107)*; 24 MONTHS $30,000

GUNSALUS, I C; *ISOPRENOID METABOLISM- REGULATION AND SPECIFICITY (B033962 X00)*; 12 MONTHS $50,000

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

GEST, HOWARD; *MECHANISMS OF REGULATION OF BIOSYNTHETIC METABOLISM IN BACTERIA (B007333 X03)*; 12 MONTHS $80,000

RAMALEY, ROBERT F; *BIOCHEMISTRY OF BACTERIAL SPORULATION (B013103 001)*; 24 MONTHS $41,500

RAMALEY, JUDITH A; *ADRENAL MATURATION AND FERTILITY (B017438 001)*; 24 MONTHS $28,000

HAUROWITZ, FELIX; *BIOSYNTHESIS AND STRUCTURE OF ANTIBODIES AND OTHER PROTEINS (B025794 001)*; 12 MONTHS $5,300

SOJKA, GARY A; *REGULATION OF SYNTHESIS OF THE PHOTOCHEMICAL APPARATUS OF THE PHOTO-SYNTHETIC BACTERIUM, 'RHODOPSEUDOMONAS CAPSULATA' (B030081)*; 24 MONTHS $33,000

KOCH, ARTHUR L; *PERMEASE IN ACTIVE TRANSPORT (B032115)*; 24 MONTHS $38,000

PURDUE UNIVERSITY

KUC, JOSEPH A, AND WILLIAMS, EDWIN B; *BIOCHEMICAL EXPRESSION OF GENETIC DETERMINANTS CONTROLLING DISEASE RESISTANCE IN PLANTS (B013994 001)*; 24 MONTHS $40,600

REGNIER, FRED E; *CHEMICAL COMMUNICATION IN ANIMALS (B030179 X00)*; 12 MONTHS $21,200

REGNIER, FRED E; *CHEMICAL COMMUNICATION IN ANIMALS (B030179 X01)*; 12 MONTHS $21,400

DILLEY, RICHARD A; *BIOCHEMISTRY OF CHLOROPLAST MEMBRANES (B030998)*; 24 MONTHS $73,000

HODGES, THOMAS K; *THE ENERGETICS OF ION TRANSPORT IN PLANTS (B031052 X00)*; 12 MONTHS $21,300

GOLUB, EDWARD S; *FUNCTIONAL ONTOGENY OF THE IMMUNE RESPONSE (B032169)*; 12 MONTHS $35,000

LEMBI, CAROLE A; *BIOCHEMICAL CHARACTERIZATION OF THE PLANT PLASMA MEMBRANE (B033732)*; 24 MONTHS $29,000

IOWA

UNIVERSITY OF IOWA

STAHLY, DONALD P; *METABOLISM AND CONTROL PROCESSES INVOLVED IN BACTERIAL SPORULATION (B032404)*; 24 MONTHS $36,000

KANSAS

KANSAS STATE UNIVERSITY

LELAND, STANLEY E JR; *IN VITRO GROWTH REQUIREMENTS OF PARASITIC NEMATODES (B007532 001)*; 24 MONTHS $38,200

UNIVERSITY OF KANSAS

BOVEE, EUGENE C; *EFFECTS OF POLLUTANTS AND OTHER CHEMICALS ON PROTOZOAN MOTILE BEHAVIOR (F016616 001)*; 12 MONTHS $10,000

PARETSKY, DAVID; *STUDIES ON THE BIOCHEMISTRY AND PHYSIOLOGY OF HOST-PARASITE RELATIONSHIPS DURING RICKETTSIAL INFECTION (B031613)*; 24 MONTHS $60,000

UNIVERSITY OF KANSAS-UNIVERSITY OF KANSAS MEDICAL CENTER

WOOD, JACKIE D; *FUNCTION OF THE ENTERIC NERVOUS SYSTEM (B031292)*; $20,100

KENTUCKY

UNIVERSITY OF KENTUCKY

RODRIGUEZ, JUAN G; *CONFERENCE ON 'SIGNIFICANCE OF INSECT AND MITE NUTRITION' (B031302)*; 12 MONTHS $2,000

LOUISIANA

LOUISIANA STATE UNIVERSITY, BATON ROUGE

MEIER, ALBERT H; *TEMPORAL SYNERGISM OF PROLACTIN AND HYDROCORTISONE IN THE GULF KILLIFISH, FUNDULUS GRANDIS (B020913 001)*; 24 MONTHS $37,000

LAMBREMONT, EDWARD N; *INSECT LIPIDS- STRUCTURE AND METABOLISM OF ETHER-AND ACYL-BONDED GLYCEROLIPIDS (B033450)*; 24 MONTHS $24,600

TULANE UNIVERSITY

FINGERMAN, MILTON; *ROLE OF SEROTONIN IN THE CONTROL OF COLOR CHANGES IN THE FIDDLER CRAB (B027497 001)*; 24 MONTHS $55,000

TULANE UNIVERSITY-SCHOOL OF MEDICINE

LESLIE, GERRIE ALLEN; *MODULATION OF IMMUNOGLOBULIN SYNTHESIS AND THE IMMUNE RESPONSE (B031001)*; 24 MONTHS $31,600

MAINE

UNIVERSITY OF MAINE, ORONO

GELINAS, DOUGLAS A; *THE BIOCHEMICAL BASIS FOR ELEVATED LEVELS OF INDOLEACETIC ACID OXIDASE INHIBITORS IN KNOTTED MUTANTS (B030236)*; 24 MONTHS $20,000

MARYLAND

GOUCHER COLLEGE

HABERMANN, HELEN M; *PIGMENT DEFICIENT MUTANTS OF HELIANTHUS ANNUUS (B034690)*; 6 MONTHS $2,500

JOHNS HOPKINS UNIVERSITY

NASON, ALVIN; *ELECTRON TRANSPORT SYSTEMS OF THE CHEMOAUTOTROPHIC NITRIFYING BACTERIA (B031445 X00)*; 12 MONTHS $30,000

UNIVERSITY OF MARYLAND, BALTIMORE COUNTY

BURCHARD, ROBERT P; *GLIDING MOTILITY IN MYXOCOCCUS XANTHUS (B031111)*; 24 MONTHS $22,900

JOHNS HOPKINS UNIVERSITY-SCHOOL OF HYGIENE & PUBLIC HEALTH

REISSIG, MAGDALENA; *ELECTRON MICROSCOPY OF SCHISTOSOMES (B017837 001)*; 24 MONTHS $50,000

SHIF, ILAN, AND BANG, FREDERICK B; *GENETIC RESISTANCE TO MOUSE HEPATITIS VIRUS (B031479)*; 24 MONTHS $32,000

SCHILLER, EVERETT L; *MORPHOGENESIS, CYTOCHEMISTRY AND METABOLISM OF LEISHMANIAE (B031538)*; 24 MONTHS $40,000

JOHNS HOPKINS UNIVERSITY-SCHOOL OF MEDICINE

MAYER, MANFRED M; *IMMUNOLOGICAL AND CHEMICAL STUDIES OF THE COMPLEMENT SYSTEM (B007406 X03)*; 12 MONTHS $42,800

SHIN, HYUN S; *FACTORS INFLUENCING THE PHAGOCYTIC CAPABILITIES OF POLYMORPHONUCLEAR LEUCOCYTES (B008323 001)*; 12 MONTHS $34,700

UNIVERSITY OF MARYLAND, COLLEGE PARK-SCHOOL OF MEDICINE

GRENELL, ROBERT G; *THE INHIBITION OF INHIBITION AND ITS ROLE IN REGULATION OF SENSORY PROCESSING IN THE CEREBRAL CORTEX (B016042 001)*; 12 MONTHS $3,000

MARTIN COMPANY-RIAS DIVISION

CHENIAE, GEORGE M; *MANGANESE CATALYST(S) OF PHOTOSYNTHETIC OXYGEN EVOLUTION- PHOTOACTIVATION OF THE CATALYST (C704000)*; 12 MONTHS $24,800

KOK, BESSEL; *RESEARCH IN PHOTOSYNTHESIS (C705000)*; 36 MONTHS $25,400

MASSACHUSETTS

BOSTON BIOMEDICAL RESEARCH INSTITUTE

SANADI, D RAO; *RESOLUTION AND RECONSTITUTION OF OXIDATIVE PHOSPHORYLATION (B033919)*; 24 MONTHS $36,000

BOSTON UNIVERSITY

CALLARD, IAN P; *REPTILIAN REPRODUCTIVE PHYSIOLOGY (B031037)*; 12 MONTHS $17,200

BRANDEIS UNIVERSITY

LOWENSTEIN, JOHN M; *REGULATION OF FATTY ACID SYNTHESIS (B028706 X01)*; 12 MONTHS $15,000

GIBBS, MARTIN; *PATHWAY OF CARBOHYDRATE METABOLISM IN THE AUTOTROPHIC CELL WITH SPECIAL REFERENCE TO THE HIGHER PLANTS AND ALGAE (B029126 X01)*; 12 MONTHS $41,100

HALVORSON, HARLYN O; *BIOCHEMICAL AND BIOPHYSICAL INVESTIGATIONS OF PROTEIN SYNTHESIS (B030095)*, **15 MONTHS $45,500**

ABELES, ROBERT H; *FUNCTIONAL GROUPS AT ENZYME ACTIVE SITES AND DESIGN OF HIGHLY SPECIFIC ENZYME INHIBITORS (B031952 X00)*; **12 MONTHS $31,600**

CHILDRENS HOSPITAL MEDICAL CENTER

ABRAHAM, SAMUEL; *LIPOGENESIS IN MAMMARY GLAND (B032087)*; **24 MONTHS $43,300**

ENDOCRINE SOCIETY

WILHELMI, ALFRED E; *FOURTH INTERNATIONAL CONGRESS OF ENDOCRINOLOGY (B032783)*; **12 MONTHS $8,000**

HARVARD UNIVERSITY

PAPPENHEIMER, ALWIN M JR; *I. STUDIES ON PNEUMOCOCCAL ANTI-POLYSACCHARIDE ANTIBODIES II. BIOLOGY OF DIPHTHERIA AND OF THE DIPHTHERIA BACILLUS (B018919 001)*, **2 MONTHS $5,400**

BERLIN, RICHARD D; *TRANSFER OF PURINES BY ERYTHROCYTES TO NON-HEPATIC TISSUES (B030496 X00)*; **12 MONTHS $25,800**

JENKINS, FARISH A JR; *A CINERADIOGRAPHIC STUDY OF LOCOMOTION AND POSTURE IN THREE PRIMITIVE MAMMALS (B030724)*; **10 MONTHS $7,000**

BOGORAD, LAWRENCE; *THE METABOLISM OF PYRROLIC COMPOUNDS (B031114)*; **24 MONTHS $40,000**

TORREY, JOHN G; *RHIZOBIAL NODULE INITIATION (B031480)*; **24 MONTHS $38,200**

CLELAND, CHARLES F; *INVESTIGATION INTO THE HORMONAL CONTROL OF FLOWERING (B032895)*, **24 MONTHS $32,000**

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

BUCHANAN, JOHN M; *AMINO ACID AND NUCLEOTIDE METABOLISM (B030314 X00)*; **12 MONTHS $50,000**

BROWN, GENE M; *BIOSYNTHESIS OF B VITAMIN AND RELATED COMPOUNDS (B033929 X00)*; **12 MONTHS $39,000**

RETINA FOUNDATION

LAM, KWOK-WAI; *INVESTIGATION OF COUPLING FACTORS IN OXIDATIVE PHOSPHORYLATION (B033103)*; **24 MONTHS $24,000**

SMITH COLLEGE

GUSSIN, ARNOLD E S; *PURIFICATION, CHARACTERIZATION, AND SEQUENCE DETERMINATION OF TREHALASE (B028835 X01)*; **12 MONTHS $11,300**

TUFTS UNIVERSITY

FEINLEIB, MARY ELLA; *MECHANISM OF ORIENTATION IN ALGAL PHOTOTAXIS (B034309)*; **24 MONTHS $26,200**

UNIVERSITY OF MASSACHUSETTS, BOSTON

LIPKE, HERBERT; *CHITIN - PROTEIN LINKS IN ARTHROPOD CUTICLE (B032530)*; **24 MONTHS $48,000**

WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY

CASPI, ELIAHU; *ANTHERIDIOL- MODE OF FORMATION OF THE PLANT HORMONE (B023801 001)*, **24 MONTHS $42,000**

GUT, MARCEL; *BIOSYNTHESIS OF PREGNENOLONE (B029598 X01)*; **12 MONTHS $25,600**

HARVARD UNIVERSITY-HARVARD MEDICAL SCHOOL

LIN, EDMUND C C; *CONSTRUCTION OF METABOLIC PATHWAYS IN BACTERIA BY MUTATIONS (B028872 X01)*, **12 MONTHS $21,000**

TUFTS UNIVERSITY-SCHOOL OF MEDICINE

NAJJAR, VICTOR A; *THE PHAGOCYTOSIS STIMULATING PEPTIDE - TUFTSIN (B031535 X00)*, **12 MONTHS $55,400**

MICHIGAN

HOPE COLLEGE

OCKERSE, RALPH; *GIBBERELLIN-AUXIN INTERACTION IN PEA STEM GROWTH (B008729 001)*; **$749**

MICHIGAN STATE UNIVERSITY

RIEGLE, GAIL D; *PHYSIOLOGICAL CONTROL SYSTEMS IN THE AGING PROCESS (B008687 002)*; **12 MONTHS $10,000**

BANDURSKI, ROBERT S; *METABOLISM OF MICROORGANISMS AND HIGHER PLANTS (B018353 X01)*; **12 MONTHS $56,300**

BANDURSKI, ROBERT S; *METABOLISM OF MICROORGANISMS AND HIGHER PLANTS (B018353 X02)*, **12 MONTHS $56,000**

FRANTZ, WILLIAM L; *RECEPTOR MECHANISM FOR PROLACTIN IN THE EPITHELIUM OF THE PIGEON CROP MUCOSA (B030686)*; **24 MONTHS $25,000**

ZEEVAART, JAN A D; *MECHANISM BY WHICH THE STEROID INHIBITOR SK&F 7997 SUPPRESSES FLORAL INDUCTION (B031108)*, **24 MONTHS $57,000**

TOLBERT, N E; *LEAF PEROXISOMES (B032040 X00)*; **12 MONTHS $45,000**

COSTILOW, RALPH N; *CONTROL OF SPORULATION IN BACILLI PATHOGENIC FOR INSECTS (B032506 X00)*; **12 MONTHS $21,900**

UFFEN, ROBERT L; *BIOCHEMICAL AND STRUCTURAL DIVERSITY AMONG AQUATIC MICROORGANISMS IN ANAEROBIC ENVIRONMENTS (B033920)*; **24 MONTHS $43,000**

UNIVERSITY OF MICHIGAN

MALVIN, RICHARD L; *CONTROL OF RENAL HORMONES (B026377 X00)*, **12 MONTHS $31,200**

MARTIN, MICHAEL M; *ANT ECOLOGY, BEHAVIOR AND EVOLUTION (B031581)*; **24 MONTHS $60,500**

UNIVERSITY OF MICHIGAN-MEDICAL SCHOOL

LANDS, WILLIAM E M; *REGULATION OF THE BIOSYNTHESIS OF PROSTAGLANDINS (B028663 X01)*; **12 MONTHS $39,200**

DATTA, PRASANTA K; *ALLOSTERIC ENZYMES AND METABOLIC REGULATION (B029016 X01)*, **12 MONTHS $20,000**

COON, MINOR J; *DETOXICATION OF HYDROCARBONS, DRUGS, AND RELATED COMPOUNDS (B030419 X00)*; **12 MONTHS $80,000**

CHURCHILL, PAUL C; *RENIN SECRETION IN RATS (B031936)*; **24 MONTHS $41,000**

MINNESOTA

UNIVERSITY OF MINNESOTA

HOOPER, ALAN B; *BIOCHEMISTRY AND PHYSIOLOGY OF NITRIFICATION (B015101 001)*; **24 MONTHS $40,000**

DEMPSEY, MARY E; *BIOENERGETIC MECHANISMS (B031664 X00)*; **12 MONTHS $30,000**

GRAY, BEULAH H; *METABOLISM OF LEUKOCYTES DURING PHAGOCYTOSIS (B033923 X00)*; **12 MONTHS $20,000**

MISSISSIPPI

MISSISSIPPI STATE UNIVERSITY-AGRICULTURAL EXPERIMENT STATION

GLICK, BRUCE; *IMMUNOBIOLOGICAL INFLUENCES OF PESTICIDES (B029220 X01)*; **12 MONTHS $9,000**

NORMENT, BEVERLY R, SIKOROWSKI, PETER, AND WILSON, CLIFTON A; *SURVEY AND STUDY OF PATHOGENIC MICROORGANISMS FOR INTEGRATED CONTROL OF MOSQUITOES (B030833)*; **24 MONTHS $23,800**

MISSOURI

ST LOUIS UNIVERSITY

FEIR, DOROTHY; *MOLECULAR BASIS OF JUVENILE HORMONE ACTION (B026542 001)*, **24 MONTHS $35,000**

UNIVERSITY OF MISSOURI, COLUMBIA

MCKENNA, JOHN M; *THE EFFECTS OF HIBERNATION AND HYPOTHERMIA ON THE IMMUNE RESPONSE (B008776 001)*; **12 MONTHS $8,700**

LEVITT, JACOB; *PHYSIOLOGICAL BASIS OF RESISTANCE OF PLANTS TO FROST AND DROUGHT (B013222 001)*; **12 MONTHS $25,000**

GOODMAN, ROBERT N; *ALTERATIONS IN PLANT CELLS CAUSED BY PATHOGENIC BACTERIA (B017729 001)*; **24 MONTHS $66,000**

DORN, JANICE B; *NEUROHUMORAL CONTROL OF SODIUM EXCRETION (B030082)*; **15 MONTHS $37,300**

MILES, CHARLES D; *ANALYSIS OF PHOTOSYNTHETIC PHOSPHORYLATION (B032023)*, **24 MONTHS $27,200**

ZATZMAN, MARVIN; *RENAL FUNCTION AND BLOOD FLOW DISTRIBUTION OF MARMOTS (B032059 X00)*; **12 MONTHS $17,000**

WASHINGTON UNIVERSITY

PICKARD, BARBARA G; *ELECTRICAL ACTIVITY IN PLANTS (B031781)*, **24 MONTHS $31,000**

ST LOUIS UNIVERSITY-SCHOOL OF MEDICINE

KATZMAN, PHILIP A; *HORMONAL CONTROL OF METABOLISM IN VAGINAL AND UTERINE TISSUES (B008778 002)*, **24 MONTHS $45,000**

COSCIA, CARMINE J; *BIOSYNTHESIS OF INDOLE ALKALOIDS (B017957 001)*, **24 MONTHS $36,000**

MONTANA

MONTANA STATE UNIVERSITY

STROBEL, GARY A; *THE NATURE AND MECHANISM OF ACTION OF SOME TOXINS PRODUCED BY PLANT PARASITES (B012956 001)*; **24 MONTHS $29,300**

UNIVERSITY OF MONTANA

SHERIDAN, RICHARD P; *ADAPTIVE MECHANISMS IN PHOTOSYNTHESIS (B013396 002)*, **$5,200**

NEBRASKA

UNIVERSITY OF NEBRASKA AT LINCOLN

STOHS, SIDNEY J, AND EL-OLEMY, MAHMOUD M; *STEROL SIDE CHAIN CLEAVAGE AND STEROID METABOLISM IN CARDENOLIDE PRODUCING PLANTS (B013232 001)*; **24 MONTHS $12,000**

BRAKKE, MYRON K, AND BALL, ELLEN M; *LOCALIZATION AND SITE OF SYNTHESIS OF VIRUS COMPONENTS IN INFECTED PLANT CELLS (B029015 X01)*; **12 MONTHS $20,100**

UNIVERSITY OF NEBRASKA MEDICAL CENTER AT OMAHA

MORIARTY, C M; *MODEL SYSTEM FOR THE STUDY OF ACTIVE CALCIUM TRANSPORT (B030318)*, **24 MONTHS $30,000**

CREIGHTON UNIVERSITY-SCHOOL OF MEDICINE

MAGEE, DONAL F; *PEPSIN SECRETION* (*B011985 001*); 24 MONTHS $25,000

NEVADA

DESERT RESEARCH INSTITUTE

WENT, F W; *PLANT PHYSIOLOGICAL AND BIOCHEMICAL PROBLEMS IN ARID REGIONS* (*B017731 X01*); 12 MONTHS $93,100

NEW JERSEY

COLLEGE OF MEDICINE & DENTISTRY OF NEW JERSEY

GONA, AMOS G; *THE NATURE OF HORMONE ACTION IN AMPHIBIAN DEVELOPMENT* (*B008737 001*); 24 MONTHS $17,800

PRINCETON UNIVERSITY

DETHIER, VINCENT G; *NEUROLOGICAL BASIS OF BEHAVIOR OF THE BLOWFLY* (*B006971 003*); 12 MONTHS $16,800

GILVARG, CHARLES; *METABOLISM OF PEPTIDOGLYCAN DURING THE CELL CYCLE* (*B028106 001*); 12 MONTHS $22,000

JACOBS, WILLIAM P; *REGULATION OF HORMONE TRANSPORT IN PLANTS* (*B028555 X01*); 12 MONTHS $29,400

JOHNSON, FRANK H, AND GELPERIN, ALAN; *THE METABOLIC FUNCTIONS OF CALCIUM* (*B031832*); 12 MONTHS $20,000

RUTGERS UNIVERSITY

UMBREIT, WAYNE W; *STUDY OF AUTOTROPHY* (*B028695 X01*); 12 MONTHS $17,500

NEW MEXICO

UNIVERSITY OF NEW MEXICO-SCHOOL OF MEDICINE

RATNER, ALBERT; *PROSTAGLANDINS ROLE IN THE NEUROENDOCRINE REGULATION OF LUTEINIZING HORMONE AND PROLACTIN* (*B032077*); 24 MONTHS $38,000

NEW YORK

AMERICAN MUSEUM OF NATURAL HISTORY

BLISS, DOROTHY E; *CRUSTACEAN MOLT-CONTROLLING HORMONES* (*B031796 X00*); 12 MONTHS $50,800

BOYCE THOMPSON INST FOR PLANT RESEARCH INC

STAPLES, RICHARD C, AND YANIV, ZOHARA; *PROTEIN SYNTHESIS IN UREDOSPORES OF THE RUST FUNGI* (*B017003 001*); 24 MONTHS $50,000

MARAMOROSCH, KARL, AND STREISSLE, GERT; *EFFECTS OF INSECT VIRUSES ON ANIMAL CELLS IN VITRO* (*B029277 X01*); 12 MONTHS $29,600

MARAMOROSCH, KARL; *FUNDAMENTAL RESEARCH ON MYCOPLASMA-LIKE AGENTS* (*B029280 X01*); 12 MONTHS $44,600

MACKO, VLADIMIR, AND STAPLES, RICHARD C; *REGULATION OF UREDOSPORE GERMINATION AND GERM TUBE DEVELOPMENT* (*B030698 X00*); 12 MONTHS $30,900

PITMAN, G B, RENWICK, J A A, AND VITE, J P; *EVOLUTION OF MECHANISMS AFFECTING BIOSYNTHESIS AND RESPONSE* (*B034611*); 24 MONTHS $48,100

BROOKHAVEN LABORATORY

HIND, GEOFFREY; *THE ROLE OF CYTOCHROMES IN PHOTOSYNTHESIS* (*AG00279*); 24 MONTHS $27,000

COLLEGE AT PLATTSBURGH

ELLSWORTH, ROBERT K; *CHLOROPHYLL A BIOGENESIS* (*B030000 001*); 12 MONTHS $11,500

COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY

SILVERSTEIN, ROBERT M; *CHEMISTRY AND BIOLOGY OF BARK BEETLE PHEREMONES* (*B015959 001*); 24 MONTHS $58,500

CORNELL UNIVERSITY

STEINKRAUS, KEITH H; *STUDIES OF IN VIVO AND IN VITRO GROWTH AND SPORULATION OF MILKY DISEASE BACTERIA* (*B027966 X01*); 12 MONTHS $57,600

MCCARTY, RICHARD E; *PHOTOSYNTHETIC PHOSPHORYLATION AND ELECTRON TRANSPORT* (*B030597 X00*); 12 MONTHS $27,000

DOWNSTATE MEDICAL CENTER AT BROOKLYN

CASTELLS, SALVADOR; *CONTROL OF PROTEIN AND RNA SYNTHESIS IN FETAL ADRENAL GLAND* (*B016614 001*); 24 MONTHS $53,000

HEALTH RESEARCH INC

AMIRAIAN, KENNETH; *INTERACTIONS OF BOVINE CARBOXYPEPTIDASE* (*B031583*); 6 MONTHS $5,000

MT SINAI SCHOOL OF MEDICINE

BENTLEY, PETER J; *PHYSIOLOGY OF EPITHELIAL MEMBRANES IN AMPHIBIA* (*B028543 X01*); 12 MONTHS $18,200

BRODSKY, WILLIAM A; *ENZYMATIC AND ELECTROPHYSIOLOGICAL ASPECTS OF ION TRANSPORT* (*B034062*); 24 MONTHS $54,000

NEW YORK MEDICAL COLLEGE

BARTOSIK, DELPHINE; *LUTEOLYSIS- PHYSIOLOGICAL, BIOCHEMICAL AND HISTOLOGICAL* (*B027118 001*); $4,400

HOROWITZ, MARTIN I; *IMMUNOCHEMISTRY OF CATTLE BLOOD GROUP J HAPTEN AND OF THE PROTEIN-BOUND J SUBSTANCE* (*B031366*); 24 MONTHS $5,400

PUBLIC HEALTH RESEARCH INSTITUTE OF NEW YORK

KENT, JOAN L; *MICRO-ENVIRONMENTAL REGULATION OF ENZYME ACTIVITY AND SPECIFICITY IN DNA METABOLISM* (*B007985 001*); 24 MONTHS $33,000

OSLER, ABRAHAM G; *ANTIBODIES - STUDIES OF THEIR SYNTHESIS AND BIOLOGIC ACTIVITIES* (*B031738 X00*); 12 MONTHS $43,100

MOSBACH, ERWIN H; *BIOLOGICAL SIGNIFICANCE OF CHOLESTANOL* (*B031919 X00*); 12 MONTHS $22,000

QUEENS COLLEGE

TROPP, BURTON E; *PHOSPHOLIPID SYNTHESIS AND BIOCHEMICAL REGULATION* (*B033718*); 24 MONTHS $30,000

ROCKEFELLER UNIVERSITY

DE DUVE, CHRISTIAN; *BIOCHEMICAL STUDIES ON LYSOSOMES AND PEROXISOMES* (*B005796 X04*); 4 MONTHS $27,000

RIZACK, MARTIN A; *CELLULAR PHYSIOLOGY OF ENZYME REGULATION* (*B031004 X00*); 12 MONTHS $20,900

SPECTOR, LEONARD B; *THE ACETATE KINASE REACTION* (*B033714*); 24 MONTHS $28,000

STATE UNIVERSITY AT BINGHAMTON

POSNER, HERBERT B; *FLOWERING RESPONSES TO CARBOHYDRATES, MINERALS AND LIGHT* (*B012955 001*); 12 MONTHS $6,000

STATE UNIVERSITY AT STONY BROOK

IRVING, RONALD E; *COMPARATIVE ANATOMICAL INVESTIGATION OF THE AUDITORY SYSTEM* (*B030279*); 6 MONTHS $9,800

SYRACUSE UNIVERSITY

HAINSWORTH, F REED; *TEMPERATURE REGULATION AND WATER METABOLISM OF BIRDS AND MAMMALS* (*B012344 001*); 24 MONTHS $34,400

TRUDEAU INSTITUTE

HILL, WILLIAM C JR; *IMMUNOCHEMISTRY OF THE RECEPTOR OF DELAYED-TYPE HYPERSENSITIVITY* (*B034373*); 24 MONTHS $46,100

UPSTATE MEDICAL CENTER AT SYRACUSE

AMES, IRA H; *GENETICALLY CONTROLLED TUMOR FORMATION* (*B032864*); 24 MONTHS $35,000

YESHIVA UNIVERSITY

LEV, MEIR; *VITAMIN K INVOLVEMENT IN THE METABOLISM OF MEMBRANE LIPIDS* (*B013590 002*); 24 MONTHS $50,000

COLUMBIA UNIVERSITY-COLLEGE OF PHYSICIANS AND SURGEONS

KABAT, ELVIN; *IMMUNOCHEMICAL STUDIES ON POLYSACCHARIDES* (*B025686 002*); $23,000

CIZEK, LOUIS J, AND NOCENTI, MERO R; *HORMONAL RESPONSES AND MECHANISMS INVOLVED IN THE POLYURIC-POLYDIPSIC SYNDROME OF SALT DEFICIENT RABBITS* (*B029014 X01*); 12 MONTHS $14,300

KIRSTEN, EDWARD B; *PHYSIOLOGY AND PHARMACOLOGY OF MOTION-MODULATED NEURONS* (*B029215 X02*); 12 MONTHS $22,900

SAWYER, WILBUR H; *COMPARATIVE PHYSIOLOGY OF THE NEUROHYPOPHYSIS* (*B030598 X00*); 12 MONTHS $30,000

GOLD, ALLEN M; *MECHANISM OF MUSCLE PHOSPHORYLASE* (*B031289*); 24 MONTHS $40,000

GRUNDFEST, HARRY, AND REUBEN, JOHN P; *MECHANISMS OF CONTRACTILE ACTIVITY IN MUSCLE* (*B031807 X00*); 12 MONTHS $59,000

SPRINSON, DAVID B; *BIOSYNTHESIS OF AROMATIC AMINO ACIDS AND REGULATION OF STEROID BIOSYNTHESIS IN EUKARYOTIC CELLS* (*B033721 X00*); 12 MONTHS $30,000

CORNELL UNIVERSITY-AGRICULTURAL EXPERIMENT STATION

ROSS, A F; *INDUCED RESISTANCE AND VIRUS LOCALIZATION IN HYPERSENSITIVE PLANT HOSTS* (*B013856 001*); 24 MONTHS $75,600

CORNELL UNIVERSITY-MEDICAL COLLEGE

SUSSDORF, DIETER H; *NON-THYMIC REGULATION OF MAMMALIAN IMMUNOCOMPETENCE* (*B023957 001*); 24 MONTHS $41,000

GREIF, ROGER L; *ALKALINE RIBONUCLEASE AND ITS INHIBITOR IN RAT AND HUMAN THYROID* (*B031109*); 24 MONTHS $38,900

NEW YORK UNIVERSITY-SCHOOL OF MEDICINE

HEIDELBERGER, MICHAEL; *RELATIONS BETWEEN CHEMICAL CONSTITUTION AND IMMUNOLOGICAL SPECIFICITY OF POLYSACCHARIDES AND NATURAL PROTEINS* (*B013592 001*); 24 MONTHS $42,500

SILBER, ROBERT; *NUCLEOTIDE REGULATION IN MAMMALIAN CELLS* (*B029622 X01*); 12 MONTHS $17,000

UNIVERSITY OF ROCHESTER-SCHOOL OF MEDICINE AND DENTISTRY

JOSEPH, SHIRLEY A; *TRANSDUCTION OF RELEASING HORMONES BY MEDIAN EMINENCE* (*B031113*); 12 MONTHS $18,000

YESHIVA UNIVERSITY-ALBERT EINSTEIN COLLEGE OF MEDICINE

STRECKER, HAROLD J; *CONTROL AND DEVELOPMENT OF ENZYMES OF THE GLUTAMATE FAMILY* (*B012277 001*); 24 MONTHS $61,500

ETKIN, WILLIAM; *THYROXINE ACTION IN AMPHIBIAN TISSUES* (*B012353 001*); 12 MONTHS $25,700

LEV, MEIR; *VITAMIN K METABOLISM IN THE K-REQUIRING BACTERIUM, 'FUSIFORMIS NIGRESCENS'* (*B013590 001*); 6 MONTHS $6,500

WHITE, ABRAHAM; *BIOCHEMICAL MECHANISMS OF CONTROL OF LYMPHOID TISSUE STRUCTURE AND FUNCTION* (*B031588 X00*); 12 MONTHS $40,000

NORTH CAROLINA

DUKE UNIVERSITY

KRAMER, PAUL J; *WATER RELATIONS PROBLEMS IN PLANTS* (*B030367 X00*); 12 MONTHS $38,600

WILBUR, KARL M; *SHELL REGENERATION IN MOLLUSCS* (*B033922*); 12 MONTHS $15,000

NAYLOR, AUBREY W; *AMINO ACID AND PROTEIN METABOLISM IN PLANTS* (*B024117*); 24 MONTHS $60,000

NORTH CAROLINA STATE UNIVERSITY AT RALEIGH

DOBROGOSZ, WALTER J; *REGULATION OF CYCLIC AMP LEVELS IN 'ESCHERICHIA COLI AND THE ROLE OF CYCLIC AMP IN THE GROWTH AND METABOLISM OF THIS ORGANISM* (*B018548 001*); 24 MONTHS $35,000

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

MILLER, AUGUSTUS T JR; *STUDIES ON ANAEROBIC METABOLISM AND TRANSITIONAL METABOLIC STATES* (*B028693 X01*); 12 MONTHS $10,200

DUKE UNIVERSITY-SCHOOL OF MEDICINE

OTTOLENGHI, ATHOS; *THE EOSINOPHILIC LEUKOCYTE- ITS DISTRIBUTION AND REGULATION IN HEMATOPOIETIC AND PERIPHERAL TISSUES* (*B029752 X01*); 12 MONTHS $32,600

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL-SCHOOL OF MEDICINE

PENNIALL, RALPH; *SYNTHESIS OF CYTOCHROME OXIDASE IN MAMMALIAN CELLS* (*B011589 001*); 7 MONTHS $12,900

PEARLMAN, WILLIAM H; *STEROID HORMONE-PROTEIN INTERACTIONS* (*B027492 001*); 12 MONTHS $26,000

OHIO

CASE WESTERN RESERVE UNIVERSITY

SABLE, HENRY Z; *INTERACTION OF ENZYMES, COENZYMES, AND SUBSTRATES* (*B017094 001*); 24 MONTHS $55,000

DAVIS, STANLEY D; *LONG TERM STUDIES ON HIBERNATION AND THERMOREGULATION USING RADIO-TELEMETRY AND RADIO-STIMULATION TECHNIQUES* (*B025623*); 24 MONTHS $34,700

MIAMI UNIVERSITY

BHATTACHARJEE, JNANENDRA; *GENETIC BASIS OF THE BIOSYNTHESIS OF LYSINE IN YEAST* (*B028558 X01*); 12 MONTHS $14,700

MUSKINGUM COLLEGE

QUINN, DAVID L; *CONTROL OF GONADOTROPIN SECRETION- INTERRELATIONS OF BRAIN, PITUITARY, AND GONADS* (*B028524 X01*); 12 MONTHS $11,700

OHIO STATE UNIVERSITY

GROSS, ELIZABETH L; *MECHANISM OF PHOTOPHOSPHORYLATION-ACTION OF CATIONS ON THE HIGH-ENERGY STATES OF CHLOROPLASTS* (*B019156 001*); 24 MONTHS $40,000

OHIO UNIVERSITY

JAFFE, MORDECAI J; *MECHANISM OF ACETYLCHOLINE ACTION IN PLANTS* (*B033257*); 24 MONTHS $55,000

UNIVERSITY OF DAYTON

GEIGER, DONALD R; *VEIN LOADING AND TRANSLOCATION OF SUGARS IN HIGHER PLANTS* (*B033803*); 24 MONTHS $39,800

OKLAHOMA

UNIVERSITY OF OKLAHOMA

WENDER, SIMON H, AND SMITH, EDDIE C; *STUDIES OF ENZYMES ASSOCIATED WITH SCOPOLIN-SCOPOLETIN INTERCONVERSIONS* (*B014585 001*); 24 MONTHS $36,400

BEEVERS, LEONARD; *PROTEIN METABOLISM IN THE COTYLEDONS OF 'PISUM SATIVUM' DURING DEVELOPMENT AND GERMINATION* (*B027318 001*); 24 MONTHS $30,000

OREGON

OREGON STATE UNIVERSITY

MOORE, THOMAS C; *PLANT HORMONE METABOLISM AND MECHANISM OF AUXIN ACTION* (*B018494 001*); 24 MONTHS $35,000

LOOMIS, W DAVID; *BIOSYNTHESIS AND METABOLISM OF TERPENES* (*B025593 001*); $11,800

EVANS, HAROLD J; *SYMBIOTIC NITROGEN FIXATION* (*B029600 X01*); 12 MONTHS $30,000

PARKS, LEO W; *FUNCTION OF STEROLS IN THE METABOLISM OF SACCHAROMYCES CEREVISIAE* (*B031119*); 24 MONTHS $30,000

LAVENDER, DENIS P; *PHYSIOLOGY OF DORMANT DOUGLAS-FIR (P-SEUDOTSUGA MENZIESII) SEEDLINGS* (*B031304*); 24 MONTHS $62,000

BISHOP, NORMAN I; *ANALYSIS OF PHOTOSYNTHESIS THROUGH MUTATION STUDIES* (*B033985 X00*); 12 MONTHS $30,500

PORTLAND STATE UNIVERSITY

TAYLOR, W HERMAN; *STRUCTURE AND FUNCTION OF ENZYMES IN THE PYRIMIDINE PATHWAY* (*B031308*); 24 MONTHS $28,000

REED COLLEGE

STAFFORD, HELEN A; *REGULATION AND ENZYMOLOGY OF C6-C3 COMPOUNDS IN 'SORGHUM'* (*B028597 X01*); 12 MONTHS $21,000

KLEINHOLZ, LEWIS H; *PHYSIOLOGICAL SPECIFICITY OF NEUROSECRETORY HORMONES FROM THE CRUSTACEAN EYESTALK* (*B031305 X00*); 12 MONTHS $20,200

PENNSYLVANIA

ALBERT EINSTEIN MEDICAL CENTER

FRIEDMAN, HERMAN; *ROLE OF NUCLEOPROTEINS IN ANTIBODY BIOSYNTHESIS* (*B032147 X00*); 12 MONTHS $42,800

SUHADOLNIK, ROBERT J; *BIOSYNTHESIS AND REGULATION OF THE NUCLEOSIDE ANTIBIOTICS* (*B032288 X00*); 12 MONTHS $29,500

BRYN MAWR COLLEGE

CONNER, ROBERT L, AND MALLORY, FRANK B; *EFFECT OF STEROLS AND PENTACYCLIC TRITERPENE ALCOHOLS ON MEMBRANE LIPID COMPOSITION* (*B032944*); 24 MONTHS $35,000

BUCKNELL UNIVERSITY

HOFFMAN, DANIEL L; *HORMONAL INDUCTION OF RNA SYNTHESIS IN NEUROSECRETORY CELLS OF DECAPOD CRUSTACEA* (*B031176*); 12 MONTHS $9,600

LEHIGH UNIVERSITY

MALSBERGER, RICHARD G; *VIRAL DISEASES OF FISH* (*B012063 001*); 12 MONTHS $20,000

PENNSYLVANIA HOSPITAL

ZACKS, SUMNER I; *CHEMICAL AND PHYSICOCHEMICAL PROPERTIES OF MYOFIBER AND SCHWANN CELL BASEMENT LAMINA IN THE NEUROMUSCULAR JUNCTION* (*B031563*); 24 MONTHS $55,000

PENNSYLVANIA STATE UNIVERSITY

DUNSON, WILLIAM A; *IONIC REGULATION AND THERMAL TOLERANCE IN SEA SNAKES* (*B016653 001*); 24 MONTHS $40,000

CLAUS, GEORGE W; *NITROGEN METABOLISM IN 'ACETOBACTER SUBOXYDANS'* (*B017493 001*); 3 MONTHS $5,300

HYMER, WESLEY C; *HYPOTHALAMIC CONTROL OF THE ANTERIOR PITUITARY* (*B033686*); 24 MONTHS $40,000

UNIVERSITY OF PENNSYLVANIA

PEACHEY, LEE D; *CELLULAR MECHANISMS OF MUSCLE CONTRACTION AND OF ANTIDIURETIC AND STEROID HORMONE ACTION* (*B006975 X03*); 12 MONTHS $60,300

BAILE, CLIFTON A, AND KARE, MORLEY R; *NEURAL, METABOLIC AND BEHAVIOR ASPECTS OF THE CONTROL OF FEED INTAKE OF RUMINANTS* (*B028836 001*); 24 MONTHS $65,000

UNIVERSITY OF PENNSYLVANIA-SCHOOL OF VETERINARY MEDICINE

WOLF, BENJAMIN; *INDUCTION OF ANTIBODY FORMATION IN SINGLE CELLS ORIGINALLY EXPRESSING TWO ALLELO-ALLOTYPIC IMMUNOGLOBULINS* (*B028694 X01*); 12 MONTHS $33,300

RHODE ISLAND

BROWN UNIVERSITY

BIGGINS, JOHN; *RESPIRATION AND PHOTOSYNTHESIS IN ALGAE AND PLANTS* (*B028434 X01*); 12 MONTHS $13,900

GOLDSTEIN, LEON; *REGULATION OF NITROGEN METABOLISM IN FISH AND AQUATIC AMPHIBIA* (*B030357 X00*); 12 MONTHS $19,900

DOWBEN, ROBERT M; *MEMBRANE PROTEINS AND MODELS* (*B030505 X00*); 12 MONTHS $31,100

SENFT, ALFRED W; *STUDIES IN THE PHYSIOLOGY AND BIOCHEMISTRY OF SCHISTOSOMES* (*B030646*); 24 MONTHS $61,800

SOUTH CAROLINA

CLEMSON UNIVERSITY

POWELL, GARY L; *STRINGENT AND RELAXED CONTROL OF PHOSPHOLIPID SYNTHESIS* (*B030072*); 24 MONTHS $18,200

SOUTH DAKOTA

SOUTH DAKOTA STATE UNIVERSITY

KENEFICK, DONALD G; *GROWTH REGULATION IN WINTER ANNUALS BY TEMPERATURE* (*B031116*); 24 MONTHS $12,800

TENNESSEE

TENNESSEE STATE UNIVERSITY

HOGG, RICHARD ALLEN; *BLACK COLLEGES (FOUR-YEAR)* (*Y010446*); 29 MONTHS $35,500

UNIVERSITY OF TENNESSEE MED UNITS AT MEMPHIS

MANTHEY, ARTHUR A; *DESENSITIZATION AT THE NEURO-MUSCULAR JUNCTION* (*B032064*); 12 MONTHS $12,000

UNIVERSITY OF TENNESSEE, KNOXVILLE

MONTIE, THOMAS C; *STRUCTURE, SYNTHESIS AND REGULATION OF THE PROTEIN TOXINS OF PASTEURELLA PESTIS* (B012893 001); 8 MONTHS $7,000

VANDERBILT UNIVERSITY

TOUSTER, OSCAR; *B-GLUCURONIDASE AND THE BIOSYNTHESIS OF LYSOSOMES* (B033176 X00); 12 MONTHS $41,700

VANDERBILT UNIVERSITY-SCHOOL OF MEDICINE

HURWITZ, LEON; *DRUG RECEPTORS AND RESPONSE IN SMOOTH MUSCLE* (B013846 001); 24 MONTHS $58,900

WAGNER, CONRAD; *METABOLISM OF ONE-CARBON UNITS* (B031539 X00); 12 MONTHS $15,400

TEXAS

BAYLOR COLLEGE OF MEDICINE

DRESDEN, MARC H; *COLLAGEN METABOLISM DURING DEVELOPMENT OF THE REGENERATING AMPHIBIAN LIMB* (B032914), 24 MONTHS $28,000

SOUTHWEST FOUNDATION FOR RESEARCH & EDUCATION

HAGINO, NOBUYOSHI; *A STUDY OF NEURAL CONTROL OF OVULATION* (B028871 X01); 12 MONTHS $22,200

TEXAS A & M UNIVERSITY

ROELLER, HERBERT A, AND DAHM, KARL H; *BIOCHEMISTRY OF INSECT DEVELOPMENT- STUDIES ON THE JUVENILE HORMONE* (B007941 002); 3 MONTHS $25,500

MORGAN, PAGE W; *ETHYLENE-AUXIN ROLES IN PLANT REGULATORY SYSTEMS* (B031306), 24 MONTHS $30,000

ROELLER, HERBERT A; *STUDIES ON INSECT HORMONES AND PHEROMONES* (B032134 X00), 12 MONTHS $154,000

UNIV OF TEXAS AT AUSTIN

THOMPSON, GUY A JR; *MEMBRANE SYNTHESIS AND THE ROLE OF ETHER-CONTAINING LIPIDS* (B016363 001), 24 MONTHS $32,000

UNIV OF TEXAS MEDICAL BR AT GALVESTON

RIGDON, R H; *A MECHANISM OF CHEMOTAXIS* (B031240), 24 MONTHS $34,500

UNIV OF TEXAS SOUTHWESTERN MED SCH AT DALLAS

SULKIN, S EDWARD; *STUDIES ON INAPPARENT AND LATENT VIRAL INFECTIONS-STUDIES ON TEMPERATURE-INDUCED ALTERATIONS IN ANIMAL VIRUSES* (B030775 X00); 12 MONTHS $23,000

UNIVERSITY OF HOUSTON

HAZELWOOD, ROBERT L; *CONTROL OF INSULIN RELEASE FROM THE PANCREAS* (B008457 001); 24 MONTHS $35,000

VIRGINIA

VIRGINIA COMMONWEALTH UNIVERSITY

PHIBBS, PAUL V; *CARBOHYDRATE UTILIZATION BY 'PSEUDOMONAS'* (B030916); 24 MONTHS $29,400

MILLS, RICHARD R; *PHYSIOLOGY AND BIOCHEMISTRY OF THE SCLEROTIZATION PROCESS IN INSECTS* (B031376); 24 MONTHS $33,900

VIRGINIA POLYTECHNIC INSTITUTE

COCHRAN, DONALD G; *NITROGEN EXCRETION AND ASSOCIATED BIOCHEMICAL PATHWAYS* (B034244); 24 MONTHS $30,000

WASHINGTON AND LEE UNIVERSITY

HICKMAN, CLEVELAND P; *GLOMERULAR-TUBULAR INTERACTIONS IN THE FISH KIDNEY* (B017918 001); $2,300

HICKMAN, CLEVELAND P JR; *STUDIES OF RENAL GLOMERULAR FUNCTION IN FISH* (B017918 002), 24 MONTHS $35,000

UNIVERSITY OF VIRGINIA-SCHOOL OF MEDICINE

WAGNER, ROBERT R; *THE INTERFERONS- CELLULAR REGULATORS OF VIRAL INFECTION* (B006537 X04); $2,000

VIRGINIA COMMONWEALTH UNIVERSITY-HEALTH SCIENCES DIVISION

BOND, JUDITH S; *RELATIVE STABILITIES OF ENZYMES IN VITRO AND IN VIVO* (B031178); 24 MONTHS $31,000

WASHINGTON

EASTERN WASHINGTON STATE COLLEGE

LANG, BRUCE Z; *MECHANISM OF IMMUNITY OF HELMINTH PARASITES* (B031745); 12 MONTHS $10,000

UNIVERSITY OF WASHINGTON

MARTIN, ARTHUR W; *COMPARATIVE PHYSIOLOGY OF CEPHALOPOD REPRODUCTION AND EXCRETION, AND OF ARACHNID CIRCULATION* (B017539 001); 24 MONTHS $48,000

FARNER, DONALD S; *CONTROL OF REPRODUCTIVE AND OTHER PHYSIOLOGIC CYCLES* (B028080 X01), 12 MONTHS $27,400

WASHINGTON STATE UNIVERSITY

HIGINBOTHAM, NOE; *ELECTROGENESIS AND ION TRANSPORT IN HIGHER PLANT CELLS* (B019201 001), 24 MONTHS $38,000

SHUMWAY, LEWIS K, AND RYAN, CLARENCE A JR; *SITES OF PROTEIN SYNTHESIS, STORAGE AND RECALL IN PLANT CELLS* (B029614 X01), 12 MONTHS $12,700

SCHEIBE, JOSEPH; *A PHOTOREVERSIBLE PIGMENT IN THE BLUE-GREEN ALGAE* (B033563), 24 MONTHS $30,000

WISCONSIN

MEDICAL COLLEGE OF WISCONSIN

ANKEL, HELMUT K; *BIOSYNTHESIS OF CELL WALL GLYCOPROTEINS AND POLYSACCHARIDES* (B018090 001); 24 MONTHS $45,000

UNIVERSITY OF WISCONSIN, MADISON

BOCK, ROBERT M; *BIOCHEMICAL AND BIOPHYSICAL INVESTIGATIONS OF PROTEIN SYNTHESIS* (B006993 X04); 12 MONTHS $30,700

DE ZOETEN, G A, AND KEMP, J D; *STUDIES ON A TUMOROGENIC PLANT VIRUS* (B015381 001); 12 MONTHS $12,000

PORTER, W P, MITCHELL, J W, AND BECKMAN, W A; *ENERGY BUDGETS, MICROMETEORCLOGY AND PREDATOR-PREY INTERACTIONS* (B031045*), 12 MONTHS $5,000

MCSHAN, W H; *OVINE PITUITARY FOLLICLE STIMULATING HORMONE* (B031112), 24 MONTHS $47,600

ALLEN, PAUL J; *CONTROL OF DEVELOPMENT IN THE RUST FUNGI* (B031452 X00); 12 MONTHS $48,900

SEQUEIRA, LUIS AND KELMAN, ARTHUR; *PHYSIOLOGY OF INDUCED RESISTANCE IN PLANTS* (B031584); 24 MONTHS $66,300

BECK, STANLEY D; *INSECT-PLANT INTERACTIONS* (B031840 X00); 12 MONTHS $23,400

KOZLOWSKI, THEODORE T; *ROLE OF COTYLEDONS IN ESTABLISHMENT AND GROWTH OF SEEDLINGS OF WOODY PLANTS* (B032863); 24 MONTHS $30,200

HANSON, R S; *REGULATION OF TERMINAL RESPIRATION IN BACTERIA* (P019331 001); 24 MONTHS $38,000

UNIVERSITY OF WISCONSIN, MADISON-MEDICAL SCHOOL

BALISH, EDWARD; *BIOCHEMICAL BASIS FOR THE MORPHOGENESIS OF A PATHOGENIC YEAST* (B030110 X00); 12 MONTHS $17,500

UNIVERSITY OF WISCONSIN, PARKSIDE-KENOSHA BRANCH

CHEN, CHONG-MAW; *STUDIES ON THE MECHANISM OF ACTION OF CYTOKININ IN GROWTH AND CELL DIVISION* (B033921), 24 MONTHS $34,000

MOLECULAR BIOLOGY

ALABAMA

UNIVERSITY OF ALABAMA IN BIRMINGHAM

URRY, DAN W; *STUDIES ON THE CONFORMATION OF NATURALLY OCCURRING POLYPEPTIDES AND THE RELATIONSHIP OF CONFORMATION TO FUNCTION* (B031665); 24 MONTHS $50,000

UNIVERSITY OF ALABAMA IN BIRMINGHAM-MEDICAL COLLEGE OF ALABAMA

BENNETT, J CLAUDE J; *SEQUENCE ANALYSIS OF THE H CHAIN OF IGM AND STRUCTURAL COMPARISON WITH IMMUNOGLOBULIN FROM LOWER ANIMALS* (B027467 X01); 12 MONTHS $24,200

ANDREOLI, THOMAS E, AND SCHAFER, JAMES A; *TRANSPORT PHENOMENA IN LIPID BILAYER MEMBRANES AND ISOLATED, PERFUSED RENAL TUBULES* (B031128 X00); 12 MONTHS $30,000

ARIZONA

UNIVERSITY OF ARIZONA

WYCKOFF, RALPH W G; *PHYSICAL METHODS OF MICROANALYSIS OF BIOLOGICAL MATERIALS* (B017516 001); 24 MONTHS $35,000

SIEGEL, ALBERT; *AN ANALYSIS OF PLANT DNA* (B027496 001); 12 MONTHS $20,000

CUSANOVICH, MICHAEL A; *MECHANISM OF BIOLOGICAL ELECTRON TRANSPORT* (B030336), 24 MONTHS $40,000

HRUBY, VICTOR J; *STRUCTURAL STUDIES OF SYNTHETIC HORMONES AND POLYPEPTIDES* (B030716 X00); 12 MONTHS $15,000

ARKANSAS

UNIVERSITY OF ARKANSAS-UNIVERSITY OF ARKANSAS MEDICAL CENTER

YORK, J LYNDAL; *CHEMISTRY OF THE ACTIVE SITE OF HEMERYTHRIN* (B030742 X00), 12 MONTHS $20,000

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

DELBRUCK, MAX; *SENSORY TRANSDUCER MECHANISMS* (B026636 X01); 12 MONTHS $50,000

DICKERSON, RICHARD E, AND STANFORD, RICHARD H JR; *STRUCTURE AND FUNCTION OF PROTEINS AND RELATED MACROMOLECULES* (B028029 X01), 12 MONTHS $80,000

STRAUSS, JAMES H; *STRUCTURE AND REPLICATION OF SINDBIS VIRUS* (B031763 X00), 12 MONTHS $35,000

POMONA COLLEGE

COHEN, LARRY W; *BACTERIOPHAGE INDUCED CELL LYSIS* (B031177); 12 MONTHS $10,000

SALK INSTITUTE FOR BIOLOGICAL STUDIES

ORGEL, LESLIE E; *BIOCHEMICAL EVOLUTION* (B024837 001); $4,900

HOLLEY, ROBERT W; *MOLECULAR BASIS OF THE CONTROL OF CELL DIVISION IN MAMMALIAN CELLS* (B032391 X00); 12 MONTHS $60,000

SCRIPPS CLINIC AND RESEARCH FOUNDATION

DANDLIKER, WALTER B, AND LEVISON, STUART A; *FAST REACTION RATE STUDIES OF ANTIGEN-ANTIBODY SYSTEMS BY FLUORESCENCE METHODS* (B015594 001); 3 MONTHS $2,600

STANFORD UNIVERSITY

CLAYTON, DAVID A; *MITOCHONDRIAL DNA IN HUMAN MALIGNANT CELLS* (B026117 001); 12 MONTHS $21,000

MCCONNELL, HARDEN M; *LATERAL DIFFUSION AND PHASE SEPARATIONS IN BIOLOGICAL MEMBRANES* (B034501 X00); 12 MONTHS $65,000

UNIVERSITY OF CALIFORNIA, BERKELEY

PACKER, LESTER; *FUNCTION OF SUBCELLULAR MEMBRANES* (B020951 001); 12 MONTHS $30,000

PARK, RODERIC B; *CHLOROPLAST MEMBRANE DIFFERENTIATION* (B025579 X01); 12 MONTHS $30,000

CARPENTER, FREDERICK H; *MECHANISM OF ACTION OF LEUCINE AMINO PEPTIDASE* (B027573 001); 12 MONTHS $12,500

KOSHLAND, DANIEL E JR; *CATALYTIC POWER OF ENZYMES* (B030909 X00); 12 MONTHS $25,000

FRAENKEL-CONRAT, HEINZ L; *CHEMICAL AND BIOCHEMICAL STUDIES ON VIRAL RNAS AND PROTEIN* (B032367); 24 MONTHS $100,000

SCHACHMAN, HOWARD K; *FUNCTIONAL ASPECTS OF THE QUARTERNARY STRUCTURE OF PROTEINS* (B032812 X00); 12 MONTHS $45,000

SCHACHMAN, HOWARD K; *PURCHASE OF AN AUTOMATIC SPLIT BEAM DIGITALIZED PHOTOELECTRIC SCANNER FOR THE ULTRACENTRIFUGE* (B034883); 12 MONTHS $32,500

UNIVERSITY OF CALIFORNIA, DAVIS

DOI, ROY H; *CONTROL MECHANISMS IN BACTERIAL DIFFERENTIATION* (B026409 X01); 12 MONTHS $30,000

MURPHY, TERENCE M; *PHOTOREPAIR OF UV-DAMAGED PLANT CELL RNA* (B030317); 24 MONTHS $38,000

DEAMER, DAVID W; *LIPID AND PROTEIN IN MEMBRANES* (B032353); 24 MONTHS $42,000

UNIVERSITY OF CALIFORNIA, IRVINE

MOLDAVE, KIVIE; *THE CONTROL OF RNA SYNTHESIS AND ITS RELATIONSHIP TO PROTEIN SYNTHESIS* (B030131); 12 MONTHS $8,000

GORDON, CHARLES N; *ELECTRON MICROSCOPY OF DNA BY THE ALUMINUM-MICA TECHNIQUE* (B032507); 12 MONTHS $6,000

UNIVERSITY OF CALIFORNIA, LOS ANGELES

GLITZ, DOHN G; *STRUCTURE AND FUNCTION IN RIBONUCLEASES* (B027608 001); 24 MONTHS $42,000

BRUNK, CLIFFORD F; *A GENERAL SYSTEM FOR SEQUENCING DNA* (B030316); 24 MONTHS $55,000

ECKERT, ROGER; *BIOELECTRIC AND MOLECULAR STUDIES OF GENETICALLY MODIFIED EXCITABLE MEMBRANES* (B030499 X00); 12 MONTHS $27,300

ECKERT, ROGER; *BIOELECTRIC AND MOLECULAR STUDIES OF GENETICALLY MODIFIED EXCITABLE MEMBRANES* (B030499 X01); $8,200

COLLIER, R JOHN, AND DELANGE, ROBERT J; *AMINO ACID SEQUENCE OF FRAGMENT 'A' FROM DIPHTHERIA TOXIN* (B032406); 24 MONTHS $40,000

UNIVERSITY OF CALIFORNIA, RIVERSIDE

DUNN, MICHAEL F; *ENZYME CATALYSIS* (B031151); 24 MONTHS $20,000

UNIVERSITY OF CALIFORNIA, SAN DIEGO

XUONG, NGUYEN-HUU, AND VERNON, WAYNE; *HIGH SPEED DATA COLLECTION SYSTEM FOR PROTEIN CRYSTALLOGRAPHY* (B023055 001); 12 MONTHS $18,500

ELOVSON, JOHN; *CHLOROSULFOLIPIDS, A NOVEL MEMBRANE CONSTITUENT* (B025245 X01); 12 MONTHS $20,000

GOODMAN, MURRAY; *SYNTHESIS, PROPERTIES AND REACTIONS OF PEPTIDES AND THEIR DERIVATIVES* (B028467 001); 8 MONTHS $25,000

GOODMAN, MURRAY; *SYNTHESIS, PROPERTIES AND REACTIONS OF PEPTIDES AND THEIR DERIVATIVES* (B028467 002); $19,000

HAYASHI, MASAKI; *TEMPLATE ACTIVITIES OF INTRACELLULAR BACTERIOPHAGE DNA* (B029170 X01); 12 MONTHS $45,000

BROWN, WILLIE C; *ANALYSIS OF AUTOLYSINS DURING NORMAL AND ABNORMAL GROWTH* (B030238 X00); 12 MONTHS $25,000

KRAUT, JOSEPH; *THREE-DIMENSIONAL STRUCTURE AND FUNCTION OF BIOLOGICAL MACROMOLECULES* (B030828 X00); 12 MONTHS $40,000

FEHER, GEORGE; *PROMARY PROCESSES IN BACTERIAL PHOTOSYNTHESIS* (B033340 X00); 12 MONTHS $30,000

UNIVERSITY OF CALIFORNIA, SAN FRANCISCO

GOODMAN, JOEL W; *DELINEATION OF THE CARRIER AND HAPTENIC DETERMINANTS OF SMALL IMMUNOGENIC POLYPEPTIDES OF DEFINED STRUCTURE* (B027591 001); 12 MONTHS $10,000

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

BRUICE, THOMAS C; *MECHANISMS OF COFACTOR CATALYZED REACTIONS* (B031159 X00); 12 MONTHS $35,000

TABORSKY, GEORGE; *STRUCTURE AND REACTIVITY OF PHOSPHOPROTEINS AND INTERACTIONS IN PROTEIN-PHOSPHATE SYSTEMS* (B033471); 24 MONTHS $40,000

STANFORD UNIVERSITY-SCHOOL OF MEDICINE

KORNBERG, ARTHUR; *BIOCHEMISTRY OF SPORULATION AND MEMBRANE DEVELOPMENT* (B007471 X03); 12 MONTHS $45,000

LOEW, GILDA H, AND LEDERBERG, JOSHUA; *ELECTRONIC AND MAGNETIC PROPERTIES OF HEME PROTEINS, AND FERREDOXINS* (B017980 001); 6 MONTHS $8,000

LOEW, GILDA HARRIS, AND LEDERBERG, JOSHUA; *QUANTUM CHEMICAL INVESTIGATIONS OF HEME PROTEINS, FERREDOXINS LYSOZYME AND A SERIES OF MUSCARINIC AGONISTS* (B017980 002); 15 MONTHS $40,000

JARDETZKY, OLEG; *NUCLEAR MAGNETIC RESONANCE STUDIES OF CONFORMATIONAL TRANSITIONS IN MACROMOLECULES* (B032025 X00); 12 MONTHS $60,000

UNIVERSITY OF CALIFORNIA, IRVINE-CALIFORNIA COLLEGE OF MEDICINE

SYPHERD, PAUL S; *STRUCTURE AND ASSEMBLY OF RIBOSOMES* (B025529 001); 24 MONTHS $48,000

HATFIELD, G WESLEY; *METABOLIC INTERRELATIONSHIPS BETWEEN ENZYME MATURATION, ENZYME REGULATION AND GENE EXPRESSION* (B027519 001); 12 MONTHS $20,000

UNIVERSITY OF CALIFORNIA, LOS ANGELES-BIOMEDICAL PROJECT

THORNBER, J PHILIP; *THE NATURE OF CHLOROPHYLL IN VIVO* (B03[illegible]307); 24 MONTHS $40,000

UNIVERSITY OF CALIFORNIA, LOS ANGELES-SCHOOL OF MEDICINE

EISENMAN, GEORGE; *THE MOLECULAR BASIS OF ION TRANSPORT ACROSS PHOSPHOLIPID MEMBRANES* (B030835 X00); 12 MONTHS $50,000

UNIVERSITY OF CALIFORNIA, SAN FRANCISCO-SCHOOL OF MEDICINE

MORALES, MANUEL F; *CONTRACTILE SYSTEMS* (B024892 X01); 12 MONTHS $20,000

UNIVERSITY OF CALIFORNIA, SAN DIEGO-REVELLE COLLEGE

DENNIS, EDWARD A; *PHYSICAL STATE AND BIOLOGICAL ACTIVITY OF PHOSPHOLIPIDS* (B019056 001); 24 MONTHS $40,000

COLORADO

COLORADO STATE UNIVERSITY

AZARI, PARVIZ; *COMPOSITION AND SEQUENCE OF AMINO ACIDS AT THE METAL-BINDING SITES OF OVOTRANSFERRIN* (B030556); 24 MONTHS $16,900

UNIVERSITY OF COLORADO

BERG, HOWARD C; *MOLECULAR BASIS FOR SENSORY TRANSDUCTION IN BACTERIA* (B030337); 24 MONTHS $50,000

GOLD, LAWRENCE M; *TRANSLATIONAL MODULATION DURING T_4 INFECTION* (B030517); 24 MONTHS $18,000

UNIVERSITY OF COLORADO-DENVER MEDICAL CENTER

MILLETTE, ROBERT L; *MECHANISM AND CONTROL OF GENE TRANSCRIPTION* (B023356 001); $3,000

PETTIJOHN, DAVID E; *INITIAL EVENTS IN THE TRANSFER OF GENETIC INFORMATION* (B025761 X01); 12 MONTHS $26,000

CONNECTICUT

CONNECTICUT AGRICULTURAL EXPERIMENT STATION

HANSON, KENNETH R; *PHENYLALANINE AMMONIA-LYASE IN RELATION TO PHENYLPROPANOID METABOLISM IN HIGHER PLANTS* (B029021 X01); 12 MONTHS $25,000

UNIVERSITY OF CONNECTICUT

OZOLS, JURIS; *DETERMINATION AND INFERENCES OF PROTEIN SEQUENCES* (B023062 001); $1,500

KEGELES, GERSON; *KINETICS OF MACROMOLECULAR REACTIONS* (B029092 X01); 12 MONTHS $30,000

LUCAS-LENARD, JEAN; *STUDIES ON MENGOVIRUS INFECTED L-CELLS* (B030475 X00); 12 MONTHS $30,000

YPHANTIS, DAVID A; *ULTRACENTRIFUGE STUDIES OF PROTEINS AND THEIR INTERACTION* (B030825 X00); 12 MONTHS $65,000

SCHUSTER, TODD M, AND YPHANTIS, DAVID A; *KINETICS AND MECHANISMS OF MACROMOLECULAR INTERACTIONS USING QUASI-ELASTIC LIGHT SCATTERING* (B031097 X00); 12 MONTHS $20,000

YALE UNIVERSITY

STRYER, LUBERT; *OPTICAL STUDIES OF ORGANIZED BIOLOGICAL ASSEMBLIES* (B027408 X01); 12 MONTHS $40,000

WANG, JUI H; *MOLECULAR MECHANISM OF PRIMARY ENERGY CONVERSION (B030474 X00)*; 12 MONTHS $25,000

ENGELMAN, D M; *THE MOLECULAR STRUCTURE OF BIOLOGICAL MEMBRANES (B032063)*; 24 MONTHS $50,000

YALE UNIVERSITY-SCHOOL OF MEDICINE

COLEMAN, JOSEPH E; *ELECTRONIC AND MAGNETIC PROPERTIES OF MACROMOLECULES (B013344 001)*; 24 MONTHS $34,000

MAGEE, PAUL T; *REGULATION OF ISOLEUCINE-VALINE BIOSYNTHESIS IN YEAST (B030112)*; 24 MONTHS $25,000

UNIVERSITY OF CONNECTICUT-HEALTH CENTER

OZOLS JURIS; *DETERMINATION AND INFERENCES OF MICROSOMAL PROTEIN SEQUENCES (B023062 002)*; 24 MONTHS $52,000

TANZER, MARVIN L; *COLLAGEN BIOSYNTHESIS, SECRETION AND CROSSLINKING (B031077)*; 24 MONTHS $29,000

DISTRICT OF COLUMBIA

GEORGETOWN UNIVERSITY

STEINHARDT, JACINTO; *EFFECTS OF PROTEIN INTERACTIONS ON PROTEIN STABILITY (B013391 001)*; 24 MONTHS $60,000

FLORIDA

FLORIDA STATE UNIVERSITY

HOMANN, PETER H; *FUNCTION AND ORGANIZATION OF PHOTOSYSTEM II IN MANGANESE DEFICIENT, FRAGMENTED AND MUTANT CHLOROPLASTS (B016301 001)*; 3 MONTHS $1,800

DE KLOET, S R; *RNA SYNTHESIS IN YEAST (B031290)*; 24 MONTHS $20,000

UNIVERSITY OF FLORIDA

HIEBERT, ERNEST, AND PURCIFULL, DAN E; *PROPERTIES AND FUNCTION OF INCLUSIONS ASSOCIATED WITH POTATO VIRUS Y GROUP OF PLANT VIRUSES (B032093)*; 24 MONTHS $38,000

ALLEN, CHARLES M JR; *BIOSYNTHESIS OF POLYISOPRENOL PYROPHOSPHATES (B034246)*; 24 MONTHS $32,000

UNIVERSITY OF FLORIDA-COLLEGE OF MEDICINE

CHUN, PAUL W; *COAT PROTEIN SUBUNIT ASSOCIATION AND SELF-ASSEMBLY OF ROD-SHAPED FD-VIRUS (B028223 001)*; 12 MONTHS $22,500

UNIVERSITY OF MIAMI-SCHOOL OF MEDICINE

THORHAUG, ANITRA; *EFFECT OF TEMPERATURE AND TEMPERATURE GRADIENTS ON THE LIVING MEMBRANE SYSTEM AND CELLULAR DYNAMICS (B033712)*; 24 MONTHS $35,000

GEORGIA

EMORY UNIVERSITY

SOPHIANOPOULOS, ALKIS J; *CONFORMATION, INTERACTIONS AND FUNCTION OF PROTEINS (B017842 001)*; 24 MONTHS $52,000

UNIVERSITY OF GEORGIA

INMAN, F P; *STRUCTURE AND BIOSYNTHESIS OF IMMUNOGLOBULIN M (IGM) (B008449 001)*; 24 MONTHS $45,000

BREWER, JOHN M, LJUNGDAHL, LARS G, AND NEECE, SUE H; *MOLECULAR BASIS OF THERMAL STABILITY OF ENZYMES (B013031 001)*; 24 MONTHS $40,000

HAWAII

UNIVERSITY OF HAWAII

YASUNOBU, KERRY T; *CHEMISTRY AND MECHANISM OF ACTION OF THE AMINE OXIDASES (B018739 001)*; 24 MONTHS $35,000

ILLINOIS

CHICAGO MEDICAL SCHOOL

MARTIN, CHARLES J; *FUNCTIONAL GROUPS AND THE ACTIVE SITE OF THE CHYMOTRYPSINS (B033473)*; 24 MONTHS $40,000

NORTHWESTERN UNIVERSITY

KLOTZ, IRVING M; *PROTEIN INTERACTIONS (B007122 X03)*; 12 MONTHS $35,600

STUTZ, ERHARD; *EUGLENA GRACILIS CHLOROPLAST DNA (B019191 001)*; 24 MONTHS $39,000

DUMAS, LAWRENCE B; *REPLICATION OF VIRUS 0X174 DNA (B022867 001)*; $10,000

LOACH, PAUL A; *CHARACTERIZATION OF PHOTORECEPTOR SUBUNITS (B027439 X01)*; 12 MONTHS $18,000

SPRINGER, GEORG F; *SUBSTANCES WITH BLOOD-GROUP SPECIFICITIES IN MICROBES AND HIGHER PLANTS- THEIR NATURE AND THEIR MODE OF INTERACTION WITH ANTIBODIES (B027514 001)*; $10,000

CZERLINSKI, GEORGE H; *ACTION OF EFFECTORS UPON THE FORMS OF CYTOCHROME 'C' (B028023 001)*; 24 MONTHS $40,000

WU, TAI TE; *STRUCTURES OF VARIABLE REGIONS OF ANTIBODIES (B031146)*; 24 MONTHS $14,000

KATZ, JOSEPH J, AND LOACH, PAUL A; *CONFERENCE ON THE PRIMARY PHOTOCHEMISTRY OF PHOTOSYNTHESIS (B031279)*; 12 MONTHS $2,000

UNIVERSITY OF CHICAGO

LAW, JOHN H; *INSECT BIOCHEMISTRY (B008436 002)*; 24 MONTHS $30,100

EPSTEIN, WOLFGANG; *ION TRANSPORT ACROSS CELL MEMBRANES (B008470 001)*; 24 MONTHS $35,100

KAISER, EMIL THOMAS; *CATALYTIC ACTION OF PEPSIN (B013208 001)*; 24 MONTHS $40,000

HASELKORN, ROBERT; *BLUE-GREEN ALGAE- MUTANTS, VIRUSES, AND TRANSDUCTION (B017514 001)*; 12 MONTHS $12,500

ROIZMAN, BERNARD; *VIRUS EXPRESSION IN MAMMALIAN CELLS (B027356 X02)*; 12 MONTHS $16,000

ROIZMAN, BERNARD; *VIRUS EXPRESSION IN MAMMALIAN CELLS (B027356 X03)*; 12 MONTHS $16,000

KINGDON, HENRY S, AND HEINRIKSON, ROBERT L; *PRIMARY STRUCTURE OF E. COLI GLUTAMINE SYNTHETASE (B027506 001)*; 12 MONTHS $20,000

SIGLER, PAUL B; *CRYSTALLOGRAPHIC STUDY OF THE STRUCTURE OF TRANSFER RNA (B027645 X01)*; 12 MONTHS $35,000

ZWICK, MARTIN; *THEORETICAL CRYSTALLOGRAPHY OF MACROMOLECULES (B027667 X01)*; 12 MONTHS $25,000

CHAPMAN, DAVID J; *BIOCHEMISTRY OF PHOTOACTIVE PIGMENTS (B027686 001)*; 12 MONTHS $15,000

WESTLEY, JOHN; *CHEMISTRY OF ENZYMIC CATALYSIS (B029097 X01)*; 12 MONTHS $40,000

UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER

TAO, MARIANO; *THE ROLE OF ADENOSINE 3',5'-CYCLIC MONOPHOSPHATE IN MICROORGANISMS (B027435 001)*; 12 MONTHS $10,000

UNIVERSITY OF ILLINOIS AT URBANA

KAPLAN, SAMUEL; *INDUCTION OF BACTERIAL CHROMATOPHORE FORMATION (B014966 002)*; 24 MONTHS $40,000

WOESE, CARL R; *PHYLOGENY AND EVOLUTION OF RIBOSOMAL RNAS (B016298 001)*; 24 MONTHS $78,800

MACLEOD, RODERICK; *ANALYSES OF TWO SEROTYPES OF A PLANT RHABDOVIRUS IN INSECT MONOLAYER CULTURES (B017629 001)*; 24 MONTHS $38,000

MERKELO, HENRY; *DETERMINATION OF THE RATES OF THE PRIMARY PROCESSES OF PHOTOSYNTHESIS AND OF THE INFLUENCE OF ENVIRONMENTAL CONDITIONS ON ENERGY TRANSPORT IN THE PHOTOSYNTHETIC UNIT (B028031 001)*; 12 MONTHS $15,000

SYBESMA, CHRISTIAAN; *PRIMARY ENERGY CONSERVATION IN PHOTOSYNTHESIS (B030649 X00)*; 12 MONTHS $29,000

HAGER, LOWELL P; *BIOLOGICAL HALOGENATION MECHANISMS (B030758 X00)*; 12 MONTHS $40,000

CAMPBELL, L LEON; *METABOLIC STUDIES ON SULFATE-REDUCING BACTERIA (B032290 X00)*; 12 MONTHS $25,000

INDIANA

PURDUE UNIVERSITY

ARONSON, ARTHUR I; *BIOSYNTHESIS OF BACTERIAL SPORES AND THE REGULATION OF RELATED PROCESSES (B020765 001)*; 24 MONTHS $56,000

CRANE, FREDERICK L; *COMPARATIVE BIOCHEMISTRY OF PLASTOQUINONES (B027501 001)*; 12 MONTHS $10,000

GILHAM, PETER T, AND WIEBERS, JOYCE L; *SEQUENCE ANALYSIS OF POLYNUCLEOTIDES AND NUCLEIC ACIDS BY MASS SPECTROMETRY AND GAS CHROMATOGRAPHY (B028198 001)*; 12 MONTHS $25,000

RAY, WILLIAM J JR; *THE MECHANISM OF THE PHOSPHOGLUCOMUTASE REACTION (B029173 X01)*; 12 MONTHS $28,500

KOFFLER, HENRY, AND SMITH, R W; *SELF-ASSEMBLING PROTEIN STRUCTURES (B029235 X01)*; 12 MONTHS $30,000

ROSSMANN, MICHAEL G; *X-RAY DETERMINATION OF PROTEINS AND VIRUSES (B029596 X01)*; 12 MONTHS $85,000

LIGHT, ALBERT; *PROTEIN STRUCTURE AND FUNCTION (B031330 X00)*; 12 MONTHS $30,000

WEINER, HENRY; *LIVER ALDEHYDE DEHYDROGENASE AND APPLICATION OF SPIN-LABELING (B031963 X00)*; 12 MONTHS $15,000

CRAMER, WILLIAM A; *B-TYPE CYTOCHROMES IN THE REGULATION OF PHOTOSYNTHETIC ELECTRON TRANSPORT (B034169 X00)*; 12 MONTHS $25,000

INDIANA UNIVERSITY, INDIANAPOLIS-SCHOOL OF MEDICINE

BRYAN, WILLIAM P; *HYDROGEN EXCHANGE OF PROTEINS (B030684 X00)*; 12 MONTHS $15,000

IOWA

IOWA STATE UNIVERSITY OF SCIENCE & TECHNOLOGY

FROMM, HERBERT J; *MECHANISM AND CONTROL OF ENZYME ACTION (B033400)*; 24 MONTHS $31,400

ITALY

INSTITUTO REGINA ELENA

WYMAN, JEFFRIES; *RELATIONS BETWEEN STRUCTURE AND FUNCTION IN HEMOGLOBINS, MYOGLOBINS, AND RELATED SUBSTANCES (B030851)*; 24 MONTHS $50,000

KANSAS

UNIVERSITY OF KANSAS-UNIVERSITY OF KANSAS MEDICAL CENTER

FISHER, HARVEY F; *STRUCTURE AND MECHANISMS OF CATALYSIS OF ENZYMES (B033868 X00)*; 12 MONTHS $25,000

KENTUCKY

UNIVERSITY OF LOUISVILLE-SCHOOL OF MEDICINE

YANKEELOV, JOHN A JR; *ENZYME STRUCTURE AND FUNCTION (B017985 001)*; 6 MONTHS $3,000

TAYLOR, JOHN F; *HEMOGLOBIN STRUCTURE AND LIGAND EQUILIBRIA (B025043 X01)*; 12 MONTHS $16,000

FONDA, MARGARET L; *SUBSTRATE AND COENZYME INTERACTION WITH GLUTAMATE DECARBOXYLASE (B031799)*; 24 MONTHS $25,000

GRAY, ROBERT D; *KINETICS OF THE QUATERNARY STRUCTURAL TRANSITION OF HEMOGLOBIN (B032283)*; 24 MONTHS $26,000

LOUISIANA

LOUISIANA STATE UNIVERSITY, BATON ROUGE

CHANG, SIMON H; *ENZYMATIC RECOGNITION SITES AND TERTIARY STRUCTURE OF TRANSFER RNA (B017124 001)*; 12 MONTHS $16,000

TULANE UNIVERSITY-DELTA REGIONAL PRIMATE RESEARCH CENTER

LI, YU-TEH, AND LI, SU-CHEN; *GLYCOSIDASES INVOLVED IN THE DEGRADATION OF COMPLEX CARBOHYDRATES (B018019 001)*; 24 MONTHS $30,000

MARYLAND

FEDERATION OF AMER SOCIETIES FOR EXPER BIOLOGY

TOSTESON, DANIEL C; *CONFERENCE ON MEMBRANES IN GROWTH, DIFFERENTIATION AND NEOPLASIA (B032918)*; 12 MONTHS $1,400

JOHNS HOPKINS UNIVERSITY

CEBRA, JOHN J; *MOLECULAR AND CELLULAR BASES FOR ANTIBODY SPECIFICITY (B025471)*; 24 MONTHS $100,000

SELIGER, HOWARD H; *CONVERSION OF CHEMICAL ENERGY INTO LIGHT ENERGY BY BIOLOGICAL SYSTEMS (B029490 X02)*; $15,000

SELIGER, HOWARD H; *CONVERSION OF CHEMICAL ENERGY INTO LIGHT ENERGY BY BIOLOGICAL SYSTEMS (B029490 001)*; 12 MONTHS $25,000

UNIVERSITY OF MARYLAND, BALTIMORE COUNTY

STEINER, ROBERT F; *ASSOCIATING PROTEIN SYSTEMS (B027705 X01)*; 12 MONTHS $29,000

JOHNS HOPKINS UNIVERSITY-SCHOOL OF HYGIENE & PUBLIC HEALTH

TS'O, PAUL O P; *STUDIES ON THE CONFORMATION, INTERACTION AND FUNCTION OF NUCLEIC ACIDS (B030725 X00)*; 12 MONTHS $40,000

JOHNS HOPKINS UNIVERSITY-SCHOOL OF MEDICINE

DINTZIS, HOWARD M; *SEQUENCE DETERMINATION IN PROTEINS AND NUCLEIC ACIDS (B008101 002)*; 6 MONTHS $10,000

BILTONEN, RODNEY L; *THERMODYNAMIC STUDIES OF PROTEIN CONFORMATION (B017680 001)*; $3,900

FENSELAU, ALLAN H; *COMPARATIVE STRUCTURE-FUNCTION STUDIES ON THE CONTROL OF GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE (B020672 001)*; 12 MONTHS $15,000

GREENAWALT, JOHN W; *STRUCTURE AND FUNCTION OF MITOCHONDRIAL MEMBRANES (B031098 X00)*; 12 MONTHS $25,000

LENNARZ, WILLIAM J; *THE ROLE OF LIPID INTERMEDIATES IN THE BIOSYNTHESIS OF MANNAN AND OTHER MACRO-MOLECULES (B031121 X00)*; 12 MONTHS $17,000

MASSACHUSETTS

BETH ISRAEL HOSPITAL

HIRSCH, CARL A; *STUDIES OF MAMMALIAN PROTEIN SYNTHESIS AND ITS CONTROL (B030540)*; 24 MONTHS $40,000

BOSTON BIOMEDICAL RESEARCH INSTITUTE

GERGELY, JOHN; *BIOCHEMISTRY OF MUSCLE CONTRACTION (B031954)*; 24 MONTHS $40,000

ELZINGA, MARSHALL; *AMINO ACID SEQUENCE STUDIES ON MYOSIN (B035070 X00)*; 12 MONTHS $30,000

BOSTON COLLEGE

BADE, MARIA L; *BIOCHEMISTRY OF ARTHROPOD CHITIN (B017338 001)*; $3,000

BOSTON UNIVERSITY

LAURSEN, RICHARD A; *STRUCTURE AND MECHANISM OF ACTION OF ENZYMES (B027607 001)*; 12 MONTHS $20,000

BRANDEIS UNIVERSITY

LEVINE, LAWRENCE; *ANTIGEN-ANTIBODY REACTIONS AS PROBES OF PROTEIN MACROMOLECULAR STRUCTURE (B018538 001)*; 24 MONTHS $40,000

GROSSMAN, LAWRENCE; *STUDIES IN THE ENZYMATIC EXCISION-REPAIR SYSTEM OF MICROCOCCUS LUTEUS (B029172 X01)*; 12 MONTHS $25,000

FASMAN, GERALD S; *CONFORMATIONAL STUDIES OF (1) SYNTHETIC POLY-A-AMINO ACIDS AND POLYNUCLEOTIDES AND (2) DNA INTERACTIONS WITH HISTONES AND MODEL POLYPEPTIDES (B029204 X01)*; 12 MONTHS $30,000

JENCKS, WILLIAM P; *ENERGY TRANSFERRING REACTIONS (B031740 X00)*; 12 MONTHS $38,000

KUSTIN, KENNETH; *BIOINORGANIC CHEMISTRY OF VANADIUM IN TUNICATES (B033617)*; 24 MONTHS $45,000

CHILDRENS CANCER RESEARCH FOUNDATION

CASPAR, D L D, COHEN, CAROLYN, AND HARRISON, S C; *MACROMOLECULAR ASSEMBLIES IN CELL BIOLOGY (B025247 001)*; 12 MONTHS $22,000

LOWEY, SUSAN; *PHYSICAL-CHEMICAL BASIS FOR THE CONTRACTILE MECHANISM (B032277 X00)*; 12 MONTHS $24,000

HARVARD UNIVERSITY

EDSALL, JOHN T; *PHYSICAL CHEMISTRY OF AMINO ACIDS, PEPTIDES AND PROTEINS (B005826 002)*; $5,000

GILL, DAVID MICHAEL; *DIPHTHERIA TOXIN AND PROTEIN SYNTHESIS (B013217 001)*; 24 MONTHS $40,000

HOLTON, GERALD, AND HAWLEY, STEPHEN A; *THERMODYNAMIC PROPERTIES OF AQUEOUS SOLUTIONS (B018708 001)*; 24 MONTHS $65,000

PAULUS, HENRY; *MULTIVALENT FEEDBACK INHIBITION OF ASPARTOKINASE IN BACILLUS POLYMYXA (B025928 001)*; 12 MONTHS $22,000

DOTY, PAUL; *PROTEINS AND NUCLEIC ACID INTERACTIONS (B027443 X01)*; 12 MONTHS $50,000

LEVINE, ROBERT P; *AN INVESTIGATION OF PHOTOSYNTHETIC ELECTRON TRANSPORT WITH MUTANT STRAINS OF CHLAMYDOMONAS REINHARDI (B029903 X01)*; 12 MONTHS $26,000

STROMINGER, JACK L; *STRUCTURE AND BIOSYNTHESIS OF BACTERIAL CELL WALLS (B0[illegible]747 X01)*; 12 MONTHS $50,000

WEBER, KLAUS K, GILBERT, WALTER, AND WATSON, JAMES D; *STRUCTURE AND FUNCTION OF RNA-POLYMERASE (B030071)*; 24 MONTHS $55,000

BLOCH, KONRAD; *COMPARATIVE BIOCHEMISTRY OF FATTY ACID SYNTHETASES (B030689 X00)*; 12 MONTHS $25,000

BRIGGS, WINSLOW R; *PHYSICAL, BIOCHEMICAL, AND PHYSIOLOGICAL STUDIES OF THE PLANT PIGMENT PHYTOCHROME (B030964 X00)*; 12 MONTHS $30,000

BRIGGS, WINSLOW R; *PHYSICAL, BIOCHEMICAL, AND PHYSIOLOGICAL STUDIES OF THE PLANT PIGMENT PHYTOCHROME (B030964 X01)*; 12 MONTHS $30,000

HASTINGS, J W; *STRUCTURE AND FUNCTION OF BACTERIAL LUCIFERASE (B031977 X00)*; 12 MONTHS $55,000

KLOTZ, LYNN C; *MOLECULAR WEIGHT OF EUCARYOTIC CHROMOSOMAL DNA (B034293)*; 24 MONTHS $44,000

MASSACHUSETTS GENERAL HOSPITAL

KALCKAR, HERMAN M; *RECOGNITION PATTERNS IN ENZYMES AND IN FUNCTIONAL MEMBRANE PROTEINS (B030785 X00)*; 12 MONTHS $35,000

HIRSHFIELD, IRVIN N; *STUDIES ON THE REGULATION OF LYSYL-TRNA SYNTHETASE ACTIVITY (B031041)*; 24 MONTHS $26,800

ROBINSON, DWIGHT R; *ENZYME MECHANISMS FOR ACYL TRANSFER REACTIONS (B031126 X00)*; 12 MONTHS $25,000

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

BAGLIONI, CORRADO; *PROTEIN AND RNA SYNTHESIS (B014345 001)*; 12 MONTHS $30,000

KHORANA, H GOBIND; *NUCLEIC ACID SYNTHESIS (B021053 X02)*; 12 MONTHS $140,000

LURIA, SALVADOR E; *MOLECULAR ASPECTS OF THE INTERACTION OF BACTERIOPHAGES AND COLICINS WITH BACTERIA (B030575 X00)*; 12 MONTHS $50,000

RICH, ALEXANDER; *MECHANISM OF PROTEIN SYNTHESIS AND MOLECULAR STRUCTURE OF THE NUCLEIC ACIDS (B030688 X00)*; 12 MONTHS $40,000

HECHT, SIDNEY M; *SITE-SPECIFIC TRNA MODIFICATIONS- RELATIONSHIP BETWEEN STRUCTURE AND FUNCTION AT THE TRNA LEVEL (B031212)*; 24 MONTHS $50,000

MAGASANIK, BORIS; *REGULATION OF THE METABOLIC PROCESSES OF THE SINGLE CELL AT THE MOLECULAR LEVEL (B032509 X00)*; 12 MONTHS $40,000

STEINER, LISA A; *PRIMARY PROCESSES IN BACTERIAL PHOTOSYNTHESIS (B033408)*; 24 MONTHS $40,000

NEW ENGLAND MEDICAL CENTER HOSPITALS

WALLACH, DONALD F H; *MOLECULAR ASPECTS OF MEMBRANE STRUCTURE AND FUNCTION (B032123)*; 24 MONTHS $50,000

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL

TIPPER, DONALD J; *POLYMER SYNTHESIS DURING MICROCYST FORMATION IN 'MYXOCOCCUS XANTHUS'* (*B030567*); 4 MONTHS $21,000

UNIVERSITY OF MASSACHUSETTS, AMHERST

FORD, N C JR, AND KARASZ, F E; *MEASUREMENT OF THE DIFFUSION CONSTANT OF BIOLOGICAL MOLECULES BY HOMODYNE SPECTROSCOPY* (*B020491 001*); 24 MONTHS $36,000

HIXSON, STEPHEN S; *PHOTOCHEMICAL METHODS FOR LABELLING ACTIVE SITES OF ENZYMES* (*B027644 001*); 12 MONTHS $12,000

KARASZ, FRANK E, *THERMODYNAMIC AND OTHER STUDIES OF THE CONFORMATIONAL TRANSITION IN BIOPOLYMERS* (*B033484*); 24 MONTHS $40,000

KARASZ, FRANK E; *THERMODYNAMIC AND OTHER STUDIES OF THE CONFORMATIONAL TRANSITION IN BIOPOLYMERS* (*B033484 001*); $4,500

BOSTON UNIVERSITY-SCHOOL OF MEDICINE

KAMINER, BENJAMIN; *FILAMENTS, MORPHOGENESIS AND CONTRACTION OF MUSCLE* (*B034243*); 24 MONTHS $35,000

HARVARD UNIVERSITY-HARVARD MEDICAL SCHOOL

KARNOVSKY, MANFRED L; *OPERATION OF PREPARATION ROOM* (*B028191 001*); 12 MONTHS $15,000

BRATT, MICHAEL A; *TEMPERATURE SENSITIVE MUTANTS AS A PROBE OF NDV INFECTION* (*B030595 X00*); 12 MONTHS $30,000

BRATT, MICHAEL A; *TEMPERATURE SENSITIVE MUTANTS AS A PROBE OF NDV INFECTION* (*B030595 X01*); 12 MONTHS $30,000

MICHIGAN

EDSEL B FORD INSTITUTE FOR MEDICAL RESEARCH

SHORE, JOSEPH D; *THE MECHANISM OF ACTION OF DEHYDROGENASES* (*B018027 001*); 24 MONTHS $44,000

MICHIGAN STATE UNIVERSITY

TULINSKY, ALEXANDER; *X-RAY STRUCTURE DETERMINATION OF ENZYMES AND OTHER BIOLOGICAL MOLECULES* (*B015402 001*); 12 MONTHS $17,500

WOOD, W A; *AN OLIGOMERIZATION MODEL FOR ALLOSTERIC CONTROL* (*B020160 001*); 24 MONTHS $60,000

ROTTMAN, FRITZ M; *INFLUENCE OF 2'-O-METHYLATION ON THE PHYSICAL AND BIOLOGICAL PROPERTIES OF RNA* (*B020764 001*); 12 MONTHS $24,000

CORNER, THOMAS R; *BIOMECHANICS OF MICROBIAL MEMBRANES* (*B031663*); 24 MONTHS $30,000

WOOD, W A, AND TULINSKY, A; *STRUCTURE OF A TRIMERIC METABOLIC ENZYME* (*B033722 X00*); 12 MONTHS $50,000

UNIVERSITY OF MICHIGAN

ZAND, ROBERT; *BIOPHYSICAL STUDIES OF CYCLIC AND BICYCLIC AMINO ACIDS, THEIR POLYMERS AND PEPTIDES* (*B021435 001*); 12 MONTHS $11,300

MINNESOTA

UNIVERSITY OF MINNESOTA

LIENER, IRVIN E; *INTERACTION OF PROTEASES WITH THEIR NATURAL INHIBITORS* (*B015385 001*); 24 MONTHS $28,000

BODLEY, JAMES W; *MECHANISM OF TRANSLOCATION* (*B019164 001*); 24 MONTHS $36,000

LUMRY, RUFUS, AND ROSENBERG, ANDREAS; *A SYSTEMS APPROACH TO PROTEIN FUNCTION* (*B025795 002*); 6 MONTHS $14,500

RUBENSTEIN, IRWIN; *A PHYSICAL-CHEMICAL STUDY OF LYSOGENY* (*B026126 001*); 12 MONTHS $20,000

MISSOURI

ST LOUIS UNIVERSITY

MATHEWS, F SCOTT; *CRYSTALLOGRAPHIC STUDIES OF THE MICROSOMAL CYTOCHROME B5 ELECTRON TRANSPORT ENZYME SYSTEM* (*B027683 X01*); 12 MONTHS $25,000

MARTONOSI, ANTHONY; *THE MECHANISM OF CALCIUM TRANSPORT BY SARCOPLASMIC RETICULUM* (*B033867 X00*); 12 MONTHS $20,000

UNIVERSITY OF MISSOURI, COLUMBIA

KOEPPE, OWEN J; *THE ENZYME DEHYDROGENASE D-GLYCERALDEHYDE-3-PHOSPHATE* (*B026179 001*); 12 MONTHS $9,000

WASHINGTON UNIVERSITY

LIPKIN, DAVID; *CHEMISTRY OF NUCLEIC ACIDS AND RELATED SUBSTANCES* (*B023358 001*); $2,700

BANASZAK, LEONARD J; *X-RAY STRUCTURAL STUDIES OF CYTOPLASMIC MALATE DEHYDROGENASE* (*B027437 X01*); 12 MONTHS $20,000

SCHLESINGER, MILTON J; *STRUCTURE AND FUNCTION OF E. COLI ALKALINE PHOSPHATASE* (*B027613 001*); 12 MONTHS $16,000

WASHINGTON UNIVERSITY-SCHOOL OF MEDICINE

THACH, ROBERT E; *PROTEIN SYNTHESIS AND THE STRUCTURE OF THE RIBOSOME* (*B022634 X01*); 12 MONTHS $30,000

SCHLESSINGER, DAVID; *REGULATION OF RNA AND RIBOSOME FORMATION AND BREAKDOWN IN BACTERIAL CELLS* (*B023052 001*); 24 MONTHS $60,000

FRIEDEN, CARL; *ENZYME STRUCTURE AND FUNCTION* (*B026483 X01*); 12 MONTHS $24,000

MONTANA

MONTANA STATE UNIVERSITY

SHEPARD, JAMES F; *ANTIGENIC CHARACTERIZATION AND INTRACELLULAR LOCALIZATION OF VIRAL STRUCTURAL PROTEIN* (*B026415 001*); 12 MONTHS $5,000

NEBRASKA

CREIGHTON UNIVERSITY-SCHOOL OF MEDICINE

WATT, DEAN D; *CHEMICAL AND BIOLOGICAL PROPERTIES OF THE NEUROTOXINS IN VENOM* (*B033466*); 24 MONTHS $38,000

NEW HAMPSHIRE

DARTMOUTH COLLEGE-DARTMOUTH MEDICAL SCHOOL

MALKIN, LEONARD I; *PROTEIN SYNTHESIS IN REGENERATING RAT LIVER AND TUMOR MITOCHONDRIA* (*B026119*); 24 MONTHS $35,000

LIENHARD, GUSTAV E; *MECHANISMS IN ENZYMATIC CATALYSIS-TRANSITION-STATE ANALOGS, DISTORTION, THIAMINE CATALYSIS, THIAMINASE I, PROPIONYL COA CARBOXYLASE* (*B033342*); 12 MONTHS $34,000

NEW JERSEY

PRINCETON UNIVERSITY

FRESCO, JACQUES R; *PHYSICAL BIOCHEMISTRY OF POLYNUCLEOTIDES AND RIBONUCLEIC ACIDS* (*B018865 001*); 6 MONTHS $27,000

SUEOKA, NOBORU; *MOLECULAR ASPECTS OF GENETICS* (*B019560 001*); 24 MONTHS $65,000

LANGRIDGE, ROBERT; *STRUCTURES OF THE NUCLEIC ACIDS* (*B028021 001*); 12 MONTHS $35,000

JOHNSON, FRANK H, AND SHIMOMURA, OSAMU; *BIOCHEMISTRY OF LUMINESCENCE* (*B030963 X00*); 12 MONTHS $45,000

GILVARG, CHARLES; *ESTABLISHMENT OF AN ELECTRON MICROSCOPE LABORATORY* (*B031798*); 24 MONTHS $50,000

FRESCO, J R, AND LANGRIDGE, R; *CONFERENCE ON TRANSFER RNA STRUCTURE* (*B032920*); 12 MONTHS $10,000

RUTGERS UNIVERSITY

PRICE, C A; *RESOLUTION AND CAPACITY IN EQUIVOLUMETRIC GRADIENTS* (*B030036 X01*); 12 MONTHS $12,000

RUTGERS UNIVERSITY-MEDICAL SCHOOL

CRANE, ROBERT K; *ABSORPTION OF SUGARS* (*B014464 001*); 24 MONTHS $64,000

NEW MEXICO

NEW MEXICO STATE UNIVERSITY

BIRNBAUM, EDWARD R; *INTERACTIONS OF RARE EARTH METAL IONS WITH PROTEINS* (*B031374*); 24 MONTHS $40,000

UNIVERSITY OF NEW MEXICO

ALPERT, SEYMOUR S; *KINETICS AND MECHANISMS OF MACROMOLECULAR-INTERACTIONS USING QUASI-ELASTIC LASER LIGHT SCATTERING* (*B031110 X00*); 12 MONTHS $20,600

NEW YORK

BROOKHAVEN LABORATORY

SCHOENBORN, BENNO P; *NEUTRON DIFFRACTION ANALYSIS OF PROTEIN STRUCTURES* (*AG0032* [illegible] MONTHS $45,000

COLD SPRING HARBOR LAB OF QUANTITATIVE BIOLOGY

GESTELAND, RAYMOND F; *USE OF COUPLED CELL-FREE PROTEIN SYNTHESIS FROM LAMBDA, SV40 AND POLYOMA DNAS TO STUDY CONTROL OF VIRAL DEVELOPMENT* (*B030719 X00*); 12 MONTHS $40,000

UDRY, WILLIAM R; *XXXVII COLD SPRING HARBOR SYMPOSIUM ON QUANTITATIVE BIOLOGY* (*B033063*), 12 MONTHS $5,000

COLUMBIA UNIVERSITY

LEVINTHAL, CYRUS; *PROTEIN CRYSTALLOGRAPHY USING 'PARTIAL STRUCTURES' FOR PHASES DETERMINATION* (*B018421 001*); 6 MONTHS $10,000

BEYCHOK, SHERMAN; *OPTICAL ACTIVITY OF BIOLOGICAL MACROMOLECULES IN RELATION TO CONFORMATION* (*B029481 X01*); 12 MONTHS $41,000

CANTOR, CHARLES R; *FLUORESCENCE STUDIES OF RIBOSOME STRUCTURE* (*B034522 X00*); 12 MONTHS $30,000

CORNELL UNIVERSITY

EDELSTEIN, STUART; *QUATERNARY STRUCTURE OF HEMOGLOBIN* (*B008773 001*); $7,000

EDELSTEIN, STUART; *QUATERNARY INTERACTIONS IN PROTEINS* (*B008773 002*); 24 MONTHS $44,000

USHER, DAVID A; *ENZYME MODELS AND THE MECHANISM OF RIBONUCLEASE ACTION (B025933 001)*; 12 MONTHS $25,000

HEPPEL, LEON A; *BINDING PROTEINS AND THEIR ROLE IN ACTIVE TRANSPORT (B027396 X01)*; 12 MONTHS $37,000

SCHERAGA, HAROLD A; *THERMODYNAMIC AND STATISTICAL MECHANICAL STUDIES OF PROTEIN REACTIONS (B028469 X01)*; 12 MONTHS $60,000

LOUDON, G MARC; *THE CHEMICAL INTERACTIONS IN LACTOSE SYNTHETASE (B028826 001)*; 12 MONTHS $20,000

SIEGEL, BENJAMIN M; *EXPERIMENTAL HIGH RESOLUTION ELECTRON MICROSCOPY AND ELECTRON OPTICS FOR BIOMOLECULAR INVESTIGATIONS (B030593 X00)*; 12 MONTHS $45,000

RACKER, EFRAIM; *RESOLUTION AND RECONSTITUTION OF THE SYSTEM OF PHOTOPHOSPHORYLATION (B030850 X00)*; 12 MONTHS $30,000

WU, RAY; *DEOXYNUCLEOTIDE SEQUENCE DETERMINATION OF DNA (B031485 X00)*; 12 MONTHS $35,000

WU, RAY; *DEOXYNUCLEOTIDE SEQUENCE DETERMINATION OF DNA (B031485 X01)*; 12 MONTHS $25,000

MOFFAT, JOHN K; *STRUCTURAL APPROACH TO HEMOGLOBIN KINETICS AND FUNCTION (B032231 X00)*; 12 MONTHS $25,000

HESS, GEORGE P; *STRUCTURE AND FUNCTION OF ENZYMES (B032493 X00)*; 12 MONTHS $25,000

HEALTH RESEARCH INC

MALEY, FRANK; *REGULATORY REACTIONS INVOLVED IN THYMIDYLATE BIOSYNTHESIS (B027598 001)*; 12 MONTHS $16,000

HUNTER COLLEGE

BERTSCH, WALTER; *DELAYED LIGHT STUDIES ON PHOTOSYNTHETIC ENERGY CONVERSION (B020984 001)*; 24 MONTHS $50,000

NEW YORK UNIVERSITY

RANDO, ROBERT R; *BIOCHEMISTRY OF THE ACTIVE SITE (B028474 001)*; 12 MONTHS $10,000

STERN, JOSEPH R; *ROLE OF SODIUM AND OXALACETATE DECARBOXYLASE IN BACTERIAL CITRATE TRANSPORT (B030504)*; 16 MONTHS $15,600

PUBLIC HEALTH RESEARCH INSTITUTE OF NEW YORK

ADLER, FRANK L, AND FISHMAN, MARVIN; *TRANSFER OF ANTIBODY AND ALLOTYPIC SPECIFICITIES BY RIBONUCLEIC ACID (B029018 X01)*; 12 MONTHS $60,000

RENSSELAER POLYTECHNIC INSTITUTE

BIRNBOIM, MEYER H; *VISCOELASTICITY IN BIOPHYSICS (B008770 001)*; $4,000

WEDLER, FREDERICK C; *CATALYTIC AND REGULATORY MECHANISMS IN KEY ENZYMES OF ASPARTATE AND GLUTAMATE METABOLISM (B034751)*; 24 MONTHS $38,500

ROCKEFELLER UNIVERSITY

NEMETHY, GEORGE; *NONCOVALENT INTERACTIONS IN GLYCOL SOLUTIONS OF MICELLES AND OF PROTEINS (B023920 001)*; $1,400

LUCK, DAVID J L; *ORIGIN AND DEVELOPMENT OF MITOCHONDRIA IN NEUROSPORA CRASSA (B027509 X01)*; 12 MONTHS $23,000

CRAIG, LYMAN C; *A CONSORTIUM ON 'HIGH FREQUENCY NUCLEAR MAGNETIC RESONANCE RESEARCH' (B029946 X01)*; 12 MONTHS $19,000

MAUZERALL, D; *THE PHOTOCHEMICAL FORMATION OF OXYGEN (B033399)*; 24 MONTHS $80,000

EDELMAN, GERALD M, AND GALL, W EINAR; *PURCHASE OF AN AUTOMATED FRACTIONATION AND PROTEIN SEQUENCE DETERMINATION (B033403)*; 12 MONTHS $45,000

STATE UNIVERSITY AT ALBANY

EDWARDS, DAVID L; *ASSEMBLY PROCESSES IN MEMBRANE SYSTEMS (B026319 001)*; 12 MONTHS $10,000

ARONSON, JOHN N, AND ROSENTHAL, ARTHUR; *BACILLUS THURINGIENSIS PARASPORAL PROTEIN AND ALANINE-GLUTAMATE DEHYDROGENASE (B030603)*; 24 MONTHS $25,000

MYER, YASH P; *CONFORMATION OF CYTOCHROMES (B030687 X00)*; 12 MONTHS $25,000

MYER, YASH P; *CONFORMATION OF CYTOCHROMES (B030687 X01)*; 12 MONTHS $20,000

WALZ, FREDERICK G JR; *RAPID KINETIC STUDIES ON RIBONUCLEASE T_1 (B033468)*; 24 MONTHS $42,000

STATE UNIVERSITY AT BUFFALO

MCMENAMY, RAPIER H; *THE PRIMARY SEQUENCE DETERMINATION OF HUMAN SERUM ALBUMIN (B018707 001)*; 18 MONTHS $40,000

STRAUSS, NORMAN; *TRANSCRIPTION OF THE SPORULATION GENOME OF BACILLUS SUBTILIS (B023191 001)*; 24 MONTHS $25,000

STATE UNIVERSITY AT STONY BROOK

LEFEVRE, PAUL G, AND MASIAK, STANLEY J; *PHYSICOCHEMICAL BASIS OF CELL MEMBRANE SUGAR TRANSPORT (B012685 001)*; 12 MONTHS $32,000

WISHNIA, ARNOLD; *DYNAMIC ASPECTS OF PROTEIN STRUCTURE (B031789 X00)*; 12 MONTHS $38,000

SYRACUSE UNIVERSITY

FONDY, THOMAS P; *STRUCTURE, BIOSYNTHESIS, AND EVOLUTION OF FLAVIN-AND NAD- LINKED GLYCEROL-3-PHOSPHATE DEHYDROGENASES (B020943 001)*; 12 MONTHS $11,000

COLUMBIA UNIVERSITY-COLLEGE OF PHYSICIANS AND SURGEONS

SPIEGELMAN, S; *THE MECHANISM OF ENZYME SYNTHESIS (B017251 X02)*; 12 MONTHS $80,000

SRINIVASAN, P R; *REGULATION OF MACROMOLECULAR SYNTHESIS IN TUMORS AND VIRUS INFECTED CELLS (B023802 001)*; 12 MONTHS $20,000

NACHMANSOHN, DAVID, AND ROSENBERRY, TERRONE L; *PROTEINS IN EXCITABLE MEMBRANES, THEIR PROPERTIES AND FUNCTION IN BIOELECTRICITY (B031122 X00)*; 12 MONTHS $38,000

ERLANGER, BERNARD F; *INTERACTIONS WITH THE ACTIVE SITES OF BIOLOGICAL EFFECTORS (B031396 X00)*; 12 MONTHS $18,000

ERLANGER, BERNARD F; *INTERACTIONS WITH THE ACTIVE SITES OF BIOLOGICAL EFFECTORS (B031396 X01)*; 12 MONTHS $17,000

CORNELL UNIVERSITY-AGRICULTURAL EXPERIMENT STATION

SLOBIN, L I; *THE TOPOGRAPHY OF RIBOSOMES (B031181)*; 24 MONTHS $40,000

NEW YORK UNIVERSITY-SCHOOL OF MEDICINE

SALTON, MILTON R J; *BIOCHEMISTRY OF BACTERIAL MEMBRANES (B031964 X00)*; 12 MONTHS $45,000

KLEINSCHMIDT, ALBRECHT K; *ANALYSIS OF INFORMATIONAL MACROMOLECULES (B032518)*; 24 MONTHS $60,000

YESHIVA UNIVERSITY-ALBERT EINSTEIN COLLEGE OF MEDICINE

HOBERMAN, HENRY D; *STUDIES OF ENZYMATICALLY CATALYSED HYDROGEN TRANSFER REACTIONS (B012626 001)*; 24 MONTHS $16,000

ENGLARD, SASHA; *MALATE DEHYDROGENASES- STRUCTURE AND BIOLOGICAL CONTROL (B012670 001)*; 24 MONTHS $50,000

SUMMERS, DONALD F; *TRANSLATION OF POLYCISTRONIC MESSENGER RNA OF RNA CONTAINING ANIMAL VIRUSES (B018025 001)*; 24 MONTHS $60,000

EHRENFELD, ELVERA; *BIOLOGICAL FUNCTIONS OF PICORNAVIRUSES AND THEIR RELATIONSHIP TO HOST CELL FUNCTION (B018026 001)*; 24 MONTHS $50,000

FINKELSTEIN, ALAN; *MECHANISMS OF ELECTRICAL EXCITABILITY IN THIN LIPID MEMBRANES (B031147 X00)*; 12 MONTHS $40,000

HURWITZ, JERARD; *ENZYMATIC REACTIONS INVOLVED IN NUCLEIC ACID METABOLISM (B031395 X00)*; 12 MONTHS $35,000

SHEARD, BRIAN; *NMR STUDY OF E.COLI ALKALINE PHOSPHATASE (B032070)*; 24 MONTHS $40,000

WARNER, JONATHAN R; *NUCLEO-CYTOPLASMIC INTERACTION IN THE SIMPLE EUKARYOTE, 'S. CEREVISIAE' (B032276 X00)*; 12 MONTHS $45,000

SCHILDKRAUT, CARL L; *DNA OF SPECIALIZED ANIMAL CELLS (B033691 X00)*; 12 MONTHS $45,000

HEALTH RESEARCH INC-ROSWELL PARK DIVISION

KARTHA, GOPINATH; *CRYSTALLOGRAPHIC STUDIES OF THE STRUCTURE AND FUNCTION OF THE ENZYME RIBONUCLEASE (B025981 002)*; 12 MONTHS $19,400

PAIGEN, KENNETH; *PROPERTIES OF SINGLE LYSOSOMES AND MEMBRANE FRAGMENTS (B030349 X00)*; 12 MONTHS $20,000

NORTH CAROLINA

DUKE UNIVERSITY

HILL, ROBERT L; *STRUCTURE-FUNCTION RELATIONSHIPS OF ENZYMES (B029334 X01)*; 12 MONTHS $35,000

TANFORD, CHARLES; *STRUCTURE AND FUNCTION OF CELL MEMBRANES (B030939 X00)*; 12 MONTHS $40,000

NORTH CAROLINA STATE UNIVERSITY AT RALEIGH

HORTON, H ROBERT; *CONFORMATIONAL FLEXIBILITY OF PROTEOLYTIC ENZYMES IN SOLUTION (B033472)*; 24 MONTHS $40,000

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

EDGELL, MARSHALL H; *STRUCTURE OF THE BACTERIOPHAGE PHI X 174 (B013397 001)*; 6 MONTHS $10,000

HERMANS, JAN; *THEORETICAL ASPECTS OF PROTEIN STRUCTURE (B016420 001)*; 24 MONTHS $44,000

DUKE UNIVERSITY-SCHOOL OF MEDICINE

WEBSTER, ROBERT E; *RIBOSOME-MESSAGE COMPLEX DURING PROTEIN SYNTHESIS (B026127 X01)*; 12 MONTHS $20,000

VANAMAN, THOMAS C; *ACYL CARRIER-AND ACYL CARRIER-LIKE PROTEINS (B027597 001)*; 12 MONTHS $12,000

OHIO

BLUFFTON COLLEGE

SCHIRCH, LA VERNE; *MECHANISM AND PROPERTIES OF SERINE TRANSHYDROXYMETHYLASE (B031780 X00)*; 12 MONTHS $18,000

CASE WESTERN RESERVE UNIVERSITY

COOPER, CECIL; *NUCLEOTIDE ANALOGUE STUDIES (B012747 001)*; 24 MONTHS $25,000

BLACKWELL, JOHN, AND KOENIG, JACK L; *A STUDY OF THE STRUCTURE OF STARCH AND ITS. CONSTITUENT POLYSACCHARIDES (B032405)*; 24 MONTHS $40,000

WALTON, ALAN G; *STUDY OF COILED COIL FORMATION IN FIBROUS PROTEIN MODEL POLYPEPTIDES (B032922)*; 24 MONTHS $40,000

OHIO STATE UNIVERSITY

SCOTT, ROY A; *CONFORMATIONAL STUDIES OF BIOPOLYMERS (B030570 X00)*; 12 MONTHS $20,800

KLAPPER, MICHAEL H; *LIGAND BINDING AND PROTEIN DISAGGREGATION PROPERTIES OF METHEMOGLOBIN (B032777)*; 24 MONTHS $34,000

AUNE, KIRK C; *INTERPRETATIONS OF MACROMOLECULAR INTERACTIONS (B033623)*; 24 MONTHS $40,000

UNIVERSITY OF CINCINNATI-COLLEGE OF MEDICINE

LINGREL, JERRY B; *THE ISOLATION AND CHARACTERIZATION OF THE HEMOGLOBIN MESSENGER RNA (B029624 001)*; 12 MONTHS $15,000

OKLAHOMA

OKLAHOMA STATE UNIVERSITY

SPIVEY, H OLIN; *PROPERTIES AND MECHANISMS OF ENZYMES (B008654 002)*; 24 MONTHS $34,000

OREGON

OREGON STATE UNIVERSITY

JOHNSON, WALTER C; *OPTICAL PROPERTIES OF CARBOHYDRATES II (B028960 X01)*; 12 MONTHS $30,000

ISENBERG, IRVIN; *NUMERICAL ANALYSIS OF FLUORESCENCE DECAY AND SEDIMENTATION EQUILIBRIUM DATA (B033498)*; 24 MONTHS $33,000

UNIVERSITY OF OREGON - EUGENE

REITHEL, FRANCIS J; *REFLECTION OF PROTEIN STRUCTURAL CHANGE IN THE VALUE OF THE PARTIAL SPECIFIC VOLUME (B008105 001)*; $6,000

REITHEL, F J; *SELF-ASSOCIATION OF PROTEIN AND ITS MODIFICATION BY HEAVY METAL BINDING (B008105 002)*; 24 MONTHS $35,000

SCHELLMAN, JOHN A; *SPECTROSCOPY OF ORIENTED BIOLOGICAL SYSTEMS (B027399 X01)*; 12 MONTHS $38,000

HERBERT, EDWARD; *ENZYMATIC ADDITION OF THE PCPCDA GROUP TO TRANSFER RNA (B029096 X01)*; 12 MONTHS $30,000

PETICOLAS, WARNER L; *INELASTIC TWO AND THREE PHOTON SCATTERING FROM BIOLOGICAL POLYMERS (B029709 X01)*; 12 MONTHS $33,000

MATTHEWS, BRIAN W; *STRUCTURE OF THERMOLYSIN, A HEAT STABLE PROTEASE (B030823 X00)*; 12 MONTHS $45,000

BERNHARD, SIDNEY A; *MOLECULAR STRUCTURE AND MOLECULAR FUNCTION OF CATALYTIC SITES IN ENZYMES (B031375 X00)*; 12 MONTHS $45,000

GRIFFITH, O HAYES; *TOPOLOGICAL LABELING OF BIOLOGICAL SURFACES (B032808)*; 24 MONTHS $40,000

TERWILLIGER, ROBERT C; *STRUCTURE AND FUNCTION OF ANNELID RESPIRATORY PIGMENTS (B034292)*; 24 MONTHS $25,000

PENNSYLVANIA

DUQUESNE UNIVERSITY

LI, NORMAN C; *METAL BINDING AND ELECTRONIC ASPECTS IN MOLECULAR BIOLOGY (B025117 001)*; $5,500

EASTERN PENNSYLVANIA PSYCHIATRIC INSTITUTE

MUELLER, PAUL, AND RUDIN, DONALD O; *MOLECULAR BASIS OF ACTION POTENTIALS IN EXPERIMENTAL BIMOLECULAR LIPID MEMBRANES (B008144 001)*; 24 MONTHS $32,000

INSTITUTE FOR CANCER RESEARCH

MILDVAN, ALBERT S; *MECHANISMS OF METAL ACTIVATED AND METALLOENZYMES (B027739 X01)*; 12 MONTHS $24,000

ANDERSON, THOMAS F; *SPECIFIC SYNTHESES IN CELLULAR AND VIRAL SYSTEMS (B029291 X01)*; 12 MONTHS $60,000

BAYER, MANFRED E; *MULTIFUNCTIONAL SURFACE ZONES OF BACTERIA AND THEIR STRUCTURAL ORGANIZATION (B030244)*; 24 MONTHS $60,000

SIMON, LEE D; *THE SPECIFIC ASSEMBLY OF COMPLEX BIOLOGICAL STRUCTURES (B030245)*; 24 MONTHS $50,000

KAJI, HIDEKO; *FUNCTION AND SYNTHESIS OF RIBOSOMAL PROTEINS (B030252)*; 24 MONTHS $40,000

PENNSYLVANIA STATE UNIVERSITY

BENKOVIC, STEPHEN J; *FOLIC ACID MECHANISMS (B032101 X00)*; 12 MONTHS $24,000

VILLAFRANCA, JOSEPH J; *MAGNETIC RESONANCE STUDIES OF ACONITASE AND TPN-ISOCITRATE DEHYDROGENASE (B034291)*; 24 MONTHS $40,000

TEMPLE UNIVERSITY

SCHRAMM, VERN LEE; *MECHANISM AND REGULATION OF AMP-NUCLEOSIDASE ACTIVITY (B034880)*; 24 MONTHS $40,000

UNIVERSITY OF PENNSYLVANIA

KAJI, AKIRA; *MECHANISM OF PROTEIN SYNTHESIS (B018355 001)*; 24 MONTHS $60,000

BONNER, WALTER D JR; *THE MOLECULAR BASIS OF ENERGY TRANSFER IN HIGHER AND LOWER PLANTS (B027442 X01)*; 12 MONTHS $30,000

WILSON, DAVID F, AND DUTTON, PETER L; *A THERMODYNAMIC EVALUATION OF ENERGY CONSERVATION IN MITOCHONDRIA (B028125 002)*; 12 MONTHS $55,000

KALLENBACH, NEVILLE R; *CONFORMATION AND INTERACTION IN PARTIALLY ORDERED NUCLEIC ACIDS (B029210 001)*; $3,000

BRYAN, JOSEPH; *BIOCHEMISTRY AND GENETICS OF MICROTUBULE SUBUNITS (B032287 X00)*; 12 MONTHS $25,000

UNIVERSITY OF PITTSBURGH

TSUJI, FREDERICK I; *BIOLOGICAL AND CHEMICAL RESEARCH ON LUMINESCENCE (B030183)*; 12 MONTHS $10,000

TEMPLE UNIVERSITY-SCHOOL OF MEDICINE

SHOCKMAN, GERALD D; *BACTERIAL AUTOLYTIC ENZYMES AND THE FUNCTION AND STRUCTURE OF THE BACTERIAL CELL WALL (B020813 001)*; 24 MONTHS $50,000

SCRUTTON, MICHAEL C; *INVESTIGATIONS OF METALLOENZYMES (B030223)*; 24 MONTHS $40,000

HOOBER, JOHN K; *BIOGENESIS OF CELLULAR MEMBRANES (B032411)*; 24 MONTHS $44,000

UNIVERSITY OF PENNSYLVANIA-SCHOOL OF MEDICINE

KAYNE, FREDERICK J; *CHEMICAL RELAXATION STUDY OF PYRUVATE KINASE (B025932 001)*; 12 MONTHS $15,000

DEVAULT, DON C; *THE STUDY OF BIOLOGICAL REACTIONS OF LESS THAN MICROSECOND HALFTIMES (B027600 001)*; 12 MONTHS $21,000

WILSON, DAVID F, AND DUTTON, PETER L; *A THERMODYNAMIC EVALUATION OF ENERGY CONSERVATION IN MITOCHONDRIA (B028125 001)*; 12 MONTHS $25,000

MCCRAY, JAMES A; *OXYGEN PHOTOLYSIS AND RECOMBINATION STUDIES OF HEMOPROTEINS (B031145)*; 24 MONTHS $36,000

COHN, MILDRED; *MECHANISMS OF PHOSPHATE TRANSFER REACTIONS (B032168 X00)*; 12 MONTHS $26,000

BLASIE, J KENT; *X-RAY DIFFRACTION OF BIOLOGICAL MEMBRANES (B032407)*; 24 MONTHS $40,000

UNIVERSITY OF PITTSBURGH-SCHOOL OF MEDICINE

GILL, THOMAS J III; *THE PHYSICAL CHEMISTRY AND IMMUNOCHEMISTRY OF SYNTHETIC POLYPEPTIDES (B030826 X00)*; 12 MONTHS $24,000

HOFMANN, KLAUS; *TOTAL SYNTHESIS OF RIBONUCLEASE T1 'VIA' FRAGMENT CONDENSATION (B030834 X00)*; 12 MONTHS $25,000

RHODE ISLAND

BROWN UNIVERSITY

CHA, SUNGMAN; *MECHANISM OF SUCCINATE THIOKINASE REACTION (B030495)*; 24 MONTHS $40,000

GORDON RESEARCH CONFERENCES

CRUICKSHANK, ALEXANDER M; *GORDON RESEARCH CONFERENCE ON THE PHYSICS AND CHEMISTRY OF WATER AND AQUEOUS SOLUTIONS (B033401)*; 12 MONTHS $2,500

TENNESSEE

UNIVERSITY OF TENNESSEE, KNOXVILLE

CHURCHICH, JORGE E; *FLUORESCENCE PROPERTIES OF PYRIDOXAL-5-PHOSPHATE ENZYMES (B033395)*; 24 MONTHS $44,000

VANDERBILT UNIVERSITY

VENABLE, JOHN H JR; *X-RAY STUDIES OF COMPLEX BIOLOGICAL STRUCTURES (B008507 001)*; 4 MONTHS $3,000

PRATT, LEE H; *COMPARATIVE STUDY OF PHYTOCHROME (B017057 001)*; $2,800

LERMAN, LEONARD S; *DNA STRUCTURE IN CONCENTRATED POLYMER SOLUTIONS (B030734 X00)*; 12 MONTHS $65,000

VANDERBILT UNIVERSITY-SCHOOL OF MEDICINE

INAGAMI, TADASHI; *ROLE OF SPECIFICITY SITE IN ENZYME CATALYSIS (B027583 001)*; 12 MONTHS $20,000

CUNNINGHAM, LEON W; *CHEMICAL & ENZYMATIC STUDIES OF GLYCOPROTEINS (B030678 X00)*; 12 MONTHS $25,000

PARK, JANE H; *RELATIONSHIP OF PROTEIN STRUCTURE TO CATALYTIC MECHANISM (B030778 X00)*; 12 MONTHS $25,000

TEXAS

TEXAS A & M UNIVERSITY

HOEVE, CORNELIS A J; *THE STRUCTURE OF WATER IN CONTACT WITH SURFACES (B028019 001)*; 12 MONTHS $18,000

ADAMS, EMORY TEMPLE JR; *SELF-ASSOCIATIONS AND MOLECULAR-WEIGHT DISTRIBUTIONS OF MOLECULES OF BIOLOGICAL IMPORTANCE (B032242)*; 24 MONTHS $50,000

GLOVER, GEORGE I; *AFFINITY LABELING OF AMINO ACID TRANSPORT PROTEINS (B031245)*; 24 MONTHS $38,000

UNIV OF TEX MD ANDRSN HOSP & TUM INST AT HUSTN

SCHLAMOWITZ, MAX; *IMMUNOCHEMICAL AND IMMUNOLOGICAL STUDIES OF GLYCOPROTEINS (B013650 002)*; 24 MONTHS $40,000

WALTER, CHARLES F; *KINETICS OF OPEN BIOLOGICAL SYSTEMS-CONTROL AND OSCILLATIONS (B020612 001)*; 7 MONTHS $1,900

INNERS, LAMAR DANIEL; *CONFORMATION OF SINGLE-STRANDED DNA IN SOLUTION (B032043)*; 24 MONTHS $35,000

UNIV OF TEXAS AT AUSTIN

FOX, J LAWRENCE; *MECHANISM OF FLAVOENZYME REACTION (B027464 001)*; 12 MONTHS $16,000

RIGGS, AUSTEN F II; *BIOCHEMISTRY OF HEMOGLOBINS AND CERTAIN OTHER PROTEINS (B027937 X01)*; 12 MONTHS $30,000

HARDESTY, BOYD; *THE MECHANISM BY WHICH TI AND TII CAUSE TRANSLOCATION OF MRNA THROUGH RIBOSOMES (B030902)*; 24 MONTHS $45,000

BOSE, HENRY R; *EARLY STAGES IN THE REPLICATION OF ENVELOPED RNA ANIMAL VIRUSES (B031150)*; 24 MONTHS $30,000

UNIV OF TEXAS AT DALLAS

LANG, DIMITRIJ; *QUANTITATIVE MORPHOLOGY AND PHYSICAL CHEMISTRY OF NUCLEIC ACIDS (B031158 X00)*; 12 MONTHS $37,000

UNIV OF TEXAS HOUSTON MEDICAL SCHOOL

DEMOSS, JOHN A; *STUDIES ON THE STRUCTURE, FUNCTION, AND ASSEMBLY OF PROTEIN AGGREGATES IN THE TRYPTOPHAN PATHWAY (B031578)*; 12 MONTHS $32,000

DEMOSS, JOHN A; *STUDIES ON THE STRUCTURE, FUNCTION, AND ASSEMBLY OF PROTEIN AGGREGATES IN THE TRYPTOPHAN PATHWAY (B031578 001)*; $5,000

UNIV OF TEXAS SOUTHWESTERN MED SCH AT DALLAS

HACKENBROCK, CHARLES R; *ELECTRON TRANSPORT-DEPENDENT CONFORMATIONAL TRANSITIONS IN MITOCHONDRIA (B030932)*; 11 MONTHS $19,000

UTAH

BRIGHAM YOUNG UNIVERSITY

VERNON, LEO P; *NATURE OF CHLOROPLAST MEMBRANES AND REACTION CENTERS (B028008 X01)*; 12 MONTHS $36,000

UNIVERSITY OF UTAH

OLIVERA, BALDOMERO M; *ENZYMATIC JOINING OF DNA (B022869 X01)*; 12 MONTHS $30,000

FUTRELL, JEAN H, AND GRAY, WILLIAM R; *PROTEIN SEQUENCING BY CHEMICAL IONIZATION MASS SPECTROMETRY (B032135*)*; 24 MONTHS $37,000

UNIVERSITY OF UTAH-COLLEGE OF MEDICINE

KUBY, STEPHEN A; *GLUCOSE 6-PHOSPHATE DEHYDROGENASE (B025962 X01)*; 12 MONTHS $20,000

VERMONT

UNIVERSITY OF VERMONT-COLLEGE OF MEDICINE

WILLARD, JAMES M; *METALLOENZYMES OF THE PROPIONIC ACID BACTERIA GROWN ON METAL-DEFINED MEDIA (B027596 001)*; 12 MONTHS $10,000

VIRGINIA

UNIVERSITY OF VIRGINIA

DUCKWORTH, DONNA H; *EFFECTS OF BACTERIOPHAGE ON MEMBRANE-ASSOCIATED FUNCTIONS OF E. COLI (B016296 001)*; 24 MONTHS $45,000

KUPKE, DONALD W, AND BEAMS, JESSE W; *CHANGE IN PARTIAL VOLUME OF PROTEINS (B027331 001)*; 12 MONTHS $25,000

KRETSINGER, ROBERT; *CRYSTALLOGRAPHY OF ALBUMIN, MYOGLOBIN, LYSOZYME, RHODOPSIN AND OLIGO-NUCLEOTIDES (B029306 001)*; 12 MONTHS $15,000

MARTIN, R BRUCE; *METAL ION INTERACTIONS WITH COMPOUNDS OF BIOLOGICAL INTEREST (B029328 X01)*; 12 MONTHS $35,000

WASHINGTON

BOEING SCIENTIFIC RESEARCH LABORATORIES

CHANG, DAVID B; *RESTRICTED DIFFUSION IN BIOPHYSICAL SYSTEMS (C733000)*; 24 MONTHS $42,750

UNIVERSITY OF WASHINGTON

PARSON, WILLIAM W; *LASER FLASH STUDIES OF PHOTOSYNTHESIS (B030732 X00)*; 12 MONTHS $25,000

HERRIOTT, JON R; *X-RAY STUDIES OF HYDROLYTIC ENZYMES (B032233 X00)*; 12 MONTHS $23,000

FISCHER, EDMOND H; *PYRIDOXAL PHOSPHATE IN THE STRUCTURE AND FUNCTION OF PROTEINS (B033819 X00)*; 12 MONTHS $39,000

WASHINGTON STATE UNIVERSITY

MCFADDEN, BRUCE A; *FUNCTION AND REGULATION OF MICROBIAL ISOCITRATE LYASE (B031100 X00)*; 12 MONTHS $20,000

MCFADDEN, BRUCE A; *FUNCTION AND REGULATION OF MICROBIAL ISOCITRATE LYASE (B031100 X01)*; 12 MONTHS $20,000

WISCONSIN

MARQUETTE UNIVERSITY

IRR, JOSEPH P; *CONTROL OF ENERGY METABOLISM AND RNA SYNTHESIS (B016785 001)*; $4,400

MEDICAL COLLEGE OF WISCONSIN

KASSELL, BEATRICE; *NATURAL INHIBITORS OF PROTEOLYTIC ENZYMES (B012630 002)*; 24 MONTHS $27,000

GIROTTI, ALBERT W; *CHARACTERIZATION OF ACTIVE SITES IN HEMOPROTEINS (B024811 001)*; 12 MONTHS $15,000

MEHLER, ALAN H; *THE MECHANISM OF ACTION OF ENZYMES (B027440 001)*; 12 MONTHS $20,000

UNIVERSITY OF WISCONSIN, MADISON

WILLIAMS, J W; *SEDIMENTATION AND DIFFUSION MEASUREMENTS IN THE STUDY OF PROTEIN BEHAVIOR (B029100 001)*; 12 MONTHS $20,000

LARDY, HENRY A; *A GENERAL PROGRAM ON ENZYMES INVOLVED IN ENERGY TRANSFER REACTIONS (B029171 X01)*; 12 MONTHS $35,000

WELLS, ROBERT D; *STUDIES WITH DEFINED DEOXYRIBONUCLEIC ACIDS (B030528 X00)*; 12 MONTHS $40,000

HOKIN, LOWELL E; *MOLECULAR CHARACTERIZATION OF THE SODIUM-POTASSIUM TRANSPORT ADENOSINETRIPHOSPHATASE (B030852 X00)*; 12 MONTHS $25,000

NOMURA, MASAYASU; *STRUCTURE, FUNCTION AND ASSEMBLY OF RIBOSOMES (B031086 X00)*; 12 MONTHS $75,000

WHITLOCK, H W; *OPTIMIZATION OF M-RNA SEQUENCES AND NUCLEOTIDE SYNTHESIS BY COMPUTER (B031797)*; 24 MONTHS $3,000

O'LEARY, MARION H; *HEAVY ATOM ISOTOPE EFFECTS AND ENZYME REACTION MECHANISMS (B032146)*; 24 MONTHS $42,000

UNIVERSITY OF WISCONSIN, MADISON-MEDICAL SCHOOL

WEISBLUM, BERNARD; *ERYTHROMYCIN INDUCIBLE RESISTANCE IN 'STAPHYLOCOCCUS AUREUS' (B017108 001)*; 24 MONTHS $70,000

PSYCHOBIOLOGY

CALIFORNIA

STANFORD UNIVERSITY

GANZ, LEO; *THE TOPOGRAPHY OF ATTENTION AT THE STRIATE CORTEX (B015492 X01)*; 12 MONTHS $50,500

SHEPARD, ROGER N; *COGNITIVE PSYCHOLOGY OF INTERNAL REPRESENTATION (B031971 X00)*; 12 MONTHS $53,100

UNIVERSITY OF CALIFORNIA, BERKELEY

MEREDITH, WILLIAM; *STOCHASTIC PROCESS MODELS FOR PSYCHOLOGICAL TESTS (B030779)*; 24 MONTHS $62,400

BARLOW, GEORGE W; *POLYMORPHISM AND AGGRESSION (B032192 X00)*; 12 MONTHS $45,000

RILEY, DONALD A; *ANIMAL DISCRIMINATION LEARNING AND INFORMATION PROCESSING (B034503)*; 4 MONTHS $16,200

UNIVERSITY OF CALIFORNIA, DAVIS

MASON, WILLIAM A; *SOCIAL ATTACHMENTS IN PRIMATES (B033463)*; 12 MONTHS $13,000

UNIVERSITY OF CALIFORNIA, IRVINE

BRAUNSTEIN, MYRON L; *SENSITIVITY OF THE HUMAN OBSERVER TO TRANSFORMATIONS OF THE VISUAL FIELD (B028704 X01)*; 12 MONTHS $16,500

UNIVERSITY OF CALIFORNIA, LOS ANGELES

HOLMAN, ERIC W; *MATHEMATICAL STUDIES OF ANIMAL LEARNING (B013588 X01)*; 12 MONTHS $13,500

GRINNELL, A D; *DOCTORAL DISSERTATION RESEARCH- STUDIES OF ACOUSTIC COMMUNICATION (B030134)*; 24 MONTHS $1,800

NORRIS, KENNETH S; *DOCTORAL DISSERTATION RESEARCH IN MARINE MAMMALOGY (B030234)*; 24 MONTHS $3,600

UNIVERSITY OF CALIFORNIA, SAN DIEGO

REYNOLDS, GEORGE S; *STRUCTURE OF PERFORMANCE ON SCHEDULES OF REINFORCEMENT (B030572 X00)*; 12 MONTHS $32,700

NORMAN, DONALD A; *COMPUTER SIMULATION OF HUMAN SEMANTIC MEMORY AND COGNITION (B032235 X00*)*; 12 MONTHS $50,000

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

DAVENPORT, DEMOREST; *BEHAVIOR OF PLANKTERS (B019645 001)*; 24 MONTHS $30,800

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

LE BOEUF, BURNEY J; *ETHOLOGICAL STUDIES OF THE NORTHERN ELEPHANT SEAL (B016321 X01)*; 12 MONTHS $18,600

STANFORD UNIVERSITY-SCHOOL OF MEDICINE

KESSLER, SEYMOUR; *THE GENETIC AND HORMONAL BASES OF THE BRUCE EFFECT* (*B031089*); 24 MONTHS $52,000

COLORADO

UNIVERSITY OF COLORADO

BATTIG, WILLIAM F, BOURNE, LYLE E, EKSTRAND, BRUCE R, CROTHERS, EDWARD J, AND KIMBLE, GREGORY A; *COHERENT-AREA-OF-SCIENCE SUPPORT OF RESEARCH ON COGNITIVE FACTORS IN HUMAN LEARNING AND MEMORY* (*B034077 X00**); 12 MONTHS $160,000

CONNECTICUT

YALE UNIVERSITY

CROWDER, ROBERT G; *THE REPRESENTATION OF INFORMATION IN SHORT-TERM MEMORY* (*B015157 001*); 24 MONTHS $52,500

RESCORLA, ROBERT A; *CS-US CONTINGENCY IN PAVLOVIAN CONDITIONING* (*B028703 X01*); 12 MONTHS $32,300

WAGNER, ALLAN R; *ACQUISITION LIMITING FACTORS IN ASSOCIATIVE LEARNING* (*B030299 X00*); 12 MONTHS $39,900

WAGNER, ALLAN R; *ACQUISITION LIMITING FACTORS IN ASSOCIATIVE LEARNING* (*B030299 X01*); $2,000

DISTRICT OF COLUMBIA

GEORGE WASHINGTON UNIVERSITY

WALK, RICHARD D; *BEHAVIORAL SPACE PERCEPTION* (*B007937 001*); 24 MONTHS $41,700

GEORGETOWN UNIVERSITY

BRACKBILL, YVONNE; *SENSORY AND PERCEPTUAL DEVELOPMENT IN INFANCY* (*B015155 002*); 24 MONTHS $52,800

FLORIDA

MOTE MARINE LABORATORY

BREDER, CHARLES M JR; *FISH SCHOOLING AND INTEGUMENTARY CHANGES* (*B034377*); 15 MONTHS $14,400

UNIVERSITY OF FLORIDA

DEWSBURY, DONALD A; *EXPERIMENTAL ANALYSIS OF THE BEHAVIOR OF A VARIETY OF MAMMALS* (*B033837 X00*); 12 MONTHS $23,600

UNIVERSITY OF MIAMI-SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES

MYRBERG, ARTHUR A JR; *BEHAVIOR OF MARINE ANIMALS* (*B031000 X00*); 12 MONTHS $58,900

GEORGIA

EMORY UNIVERSITY-YERKES REGIONAL PRIMATE RESEARCH CENTER

DAVENPORT, RICHARD K; *CROSS-MODAL PERCEPTUAL INTEGRATION IN PRIMATES* (*B028713 X01*); 12 MONTHS $20,000

HAWAII

UNIVERSITY OF HAWAII

HERMAN, LOUIS M; *SENSORY AND LEARNING-MEMORY PROCESSES IN THE DOLPHIN* (*B032148 X00*); 12 MONTHS $59,300

ASHTON, GEOFFREY C; *GENETIC AND ENVIRONMENTAL BASES OF HUMAN COGNITION* (*B034720*); 12 MONTHS $243,000

ILLINOIS

ILLINOIS STATE UNIVERSITY

WARD, JACK A; *DEVELOPMENT AND REGULATION OF BEHAVIOR* (*B030[illegible]38*); 24 MONTHS $32,300

WARD, JACK A; *DOCTORAL DISSERTATION RESEARCH- DEVELOPMENT OF BEHAVIOR IN THE YOUNG OF THE CICHLID FISHES* (*B0331[illegible]1*); 12 MONTHS $1,700

NORTHERN ILLINOIS UNIVERSITY

MCALLISTER, WALLACE R. AND MCALLISTER, DOROTHY E; *CONDITIONED FEAR AND ITS EFFECTS ON BEHAVIOR* (*B028197 X01*); 12 MONTHS $27,500

BELL, ROBERT W; *INFANT VOCALIZATION AND EARLY EXPERIENCE* (*B030321*); 24 MONTHS $40,300

SOUTHERN ILLINOIS UNIVERSITY - CARBONDALE

PITZ, GORDON F; *INFORMATION INTEGRATION AND THE REVISION OF OPINION IN DECISION MAKING* (*B028708 X01*); 12 MONTHS $21,900

MCHOSE, JAMES H; *RELATIVE REINFORCEMENT EFFECTS* (*B030510*); 24 MONTHS $30,700

UNIVERSITY OF CHICAGO

MCNEILL, G DAVID; *SHORT TERM MEMORY FOR SPEECH* (*B031127 X00*); 12 MONTHS $39,400

INDIANA

PURDUE UNIVERSITY

SORKIN, ROBERT D; *STUDIES OF TWO-CHANNEL AUDITORY SIGNAL PROCESSING* (*B014039 001*); 24 MONTHS $37,000

INDIANA UNIVERSITY, INDIANAPOLIS-SCHOOL OF MEDICINE

OCHS, SIDNEY; *MECHANISM OF FAST AXOPLASMIC TRANSPORT OF MATERIALS IN NERVE FIBERS* (*B028864 X01*); $4,000

IOWA

UNIVERSITY OF IOWA

GORMEZANO, ISIDORE; *CLASSICAL DEFENSE AND CLASSICAL REWARD CONDITIONING* (*B007907 X03*); 12 MONTHS $31,100

SCHULZ, RUDOLPH W; *MEDIATION IN VERBAL PROCESSES* (*B008398 X02*); 12 MONTHS $21,300

KANSAS

UNIVERSITY OF KANSAS

MICHENER, CHARLES D; *EVOLUTIONARY DEVELOPMENT OF BEE COLONIES* (*B008588 X[illegible]*); 12 MONTHS $39,800

ARMITAGE, KENNETH B; *ROLE OF BEHAVIOR IN POPULATION DYNAMICS* (*B032494*); 12 MONTHS $17,300

MARYLAND

JOHNS HOPKINS UNIVERSITY

HULSE, STEWART H; *CONSUMMATORY BEHAVIOR, APPETITIVE BEHAVIOR, AND PATTERNS OF REINFORCEMENT* (*B026187 001*); $3,600

MASSACHUSETTS

BOSTON UNIVERSITY

HARRISON, J M; *HEARING IN MAMMALS* (*B020103 001*); 12 MONTHS $11,000

JEANNE, ROBERT L, AND EVANS, HOWARD E; *BEHAVIOR AND ECOLOGY OF DEFENSE ADAPTATIONS IN SOCIAL WASPS* (*B033619*); 26 MONTHS $27,500

HARVARD UNIVERSITY

WILSON, EDWARD O; *BEHAVIOR AND ORGANIZATION IN INSECT SOCIETIES* (*B007734 001*); 24 MONTHS $60,200

EVANS, HOWARD E; *A COMPARATIVE APPROACH TO STEREOTYPED BEHAVIOR PATTERNS* (*B008746 002*); 14 MONTHS $21,100

PERKINS, DAVID N; *EMPIRICAL STUDIES OF THE PERCEPTION AND PRODUCTION OF ART* (*B031064*); 24 MONTHS $87,900

SMITH COLLEGE

VOLKMANN, FRANCES C; *THE APPLICATION OF TWO PSYCHOPHYSICAL METHODS TO PROBLEMS OF VISUAL DISCRIMINATION* (*B030884*); 12 MONTHS $6,200

UNIVERSITY OF MASSACHUSETTS, AMHERST

KAMIL, ALAN C; *ANALYSIS OF LEARNING-SET BEHAVIOR IN CYANOCITTA CRISTATA* (*B030501*); 24 MONTHS $34,400

STUART, ALASTAIR M; *EXPERIMENTAL STUDIES ON TERMITES* (*B032536 X00*); 12 MONTHS $20,000

MICHIGAN

EASTERN MICHIGAN UNIVERSITY

HOLMES, PETER A; *FEAR EFFECTS OF RANDOM AND PREDICTABLE SHOCKS* (*B034593*); 12 MONTHS $8,000

FORT CUSTER STATE HOME

HUTCHINSON, RONALD R; *ENVIRONMENTAL CAUSES OF AGGRESSION* (*B033620 X00*); 12 MONTHS $18,100

MICHIGAN STATE UNIVERSITY

EISENSTEIN, E M; *ENCODING OF LEARNING IN ARTHROPOD GANGLIA* (*B023371 001*); $9,900

NORTHERN MICHIGAN UNIVERSITY

HAMM, H D; *ACQUISITION VARIABLES IN CONDITIONED REINFORCEMENT* (*B030500*); 24 MONTHS $27,500

HAMM, H D; *ACQUISITION VARIABLES IN CONDITIONED REINFORCEMENT* (*B030500 001*); $1,600

UNIVERSITY OF MICHIGAN

POLLACK, IRWIN; *PERCEPTION OF TEMPORAL MICROSTRUCTURE OF AUDITORY SIGNALS* (*B014036 X01*); 12 MONTHS $54,300

COOMBS, CLYDE H, AND TVERSKY, AMOS; *JUDGEMENT AND CHOICE* (*B015653 001*); 24 MONTHS $83,200

KORNBLUM, SYLVAN; *SEQUENTIAL EFFECTS AND PREPARATION PROCESSES IN SIMPLE AND CHOICE REACTION TIME* (*B030644*); 24 MONTHS $49,300

GREENO, JAMES G; *COGNITIVE PROCESSES IN PROBLEM SOLVING* (*B031045*); 24 MONTHS $90,000

NISBETT, RICHARD E; *INDIVIDUAL DIFFERENCES IN PSYCHOBIOLOGICAL FUNCTIONS MEDIATED BY THE HYPOTHALAMUS* (*B033918*); 24 MONTHS $57,600

MISSOURI

WASHINGTON UNIVERSITY

FOX, M W; *BEHAVIORAL DEVELOPMENT AND SOCIAL ORGANIZATION IN CERTAIN CANIDS AND THEIR HYBRIDS* (*B034172*); 12 MONTHS $10,100

NEBRASKA

UNIVERSITY OF NEBRASKA AT LINCOLN

LINDEN, DAVID R; *FEAR INHIBITION AS REINFORCEMENT OF AVOIDANCE BEHAVIOR* (*B030231*); 24 MONTHS $26,400

NEW JERSEY

EDUCATIONAL TESTING SERVICE

LEWIS, MICHAEL; *STUDIES OF ATTENTION IN INFANTS* (*B028105 001*); 24 MONTHS $40,000

LORD, FREDERIC M; *MENTAL TEST THEORY AND METHODS* (*B032781 X00*); 12 MONTHS $35,300

PRINCETON UNIVERSITY

GULLIKSEN, HAROLD; *MATHEMATICAL TECHNIQUES IN PSYCHOLOGY* (*B008023 X02*); 12 MONTHS $13,100

KINCHLA, RONALD A; *THE ROLE OF REFERENCE STIMULI IN DELAYED-COMPARISONS OF AUDITORY AMPLITUDES* (*B028435 001*); 12 MONTHS $11,500

NEW MEXICO

UNIVERSITY OF NEW MEXICO

LOGAN, FRANK A; *CONDITIONS OF REINFORCEMENT* (*B012954 X02*); 12 MONTHS $38,700

NEW YORK

AMERICAN MUSEUM OF NATURAL HISTORY

TAVOLGA, WILLIAM N; *SENSORY CAPACITIES IN FISHES* (*B006565 001*); 24 MONTHS $33,000

BROOKLYN COLLEGE

RAAB, DAVID H; *SIGNAL DETECTION, MASKING AND INTENSITY DISCRIMINATION* (*B012841 X01*); 12 MONTHS $26,100

COLUMBIA UNIVERSITY

TERRACE, H S; *BY-PRODUCTS OF DISCRIMINATION LEARNING* (*B030781*); 24 MONTHS $93,700

CORNELL UNIVERSITY

DILGER, WILLIAM C; *DOCTORAL DISSERTATION RESEARCH-BEHAVIORAL STUDY ON WOLVES* (*B031291*); 12 MONTHS $1,000

MORSE, ROGER A; *REPRODUCTION IN HONEY BEES* (*B033692 X00*); 12 MONTHS $11,200

NEW YORK STATE PSYCHIATRIC INSTITUTE

GIBBON, JOHN; *CONTINGENCIES OF AVERSIVE CONTROL* (*B034095*); 24 MONTHS $33,700

NEW YORK UNIVERSITY

FALMAGNE, J C; *FOUNDATIONS AND TESTS OF FECHNERIAN SCALING THEORY* (*B033681*); 24 MONTHS $29,100

NEW YORK ZOOLOGICAL SOCIETY

STRUHSAKER, THOMAS T; *FIELD STUDY OF PRIMATE BEHAVIOR AND ECOLOGY* (*B015147 X01*); 6 MONTHS $5,600

ROCKEFELLER UNIVERSITY

PFAFFMANN, CARL; *PHYSIOLOGICAL AND BEHAVIORAL MECHANISMS OF THE CHEMICAL SENSES, PRIMARILY TASTE* (*B025001 X01*); 12 MONTHS $50,200

GRIFFIN, DONALD R; *PHYSIOLOGICAL BASIS OF ORIENTATION BEHAVIOR* (*B028433 X01*); 12 MONTHS $30,100

BRADBURY, JACK W; *COMPARATIVE STUDIES OF SOCIAL EVOLUTION IN MAMMALS* (*B032234 X00*); 12 MONTHS $29,800

MARLER, PETER; *COMPARATIVE STUDIES OF SOCIOBIOLOGY AND COMMUNICATION* (*B033102 X00*); 12 MONTHS $60,600

STATE UNIVERSITY AT BINGHAMTON

FULLER, JOHN L; *RECIPROCAL RELATIONS BETWEEN BEHAVIORAL AND NEUROLOGICAL SELECTION* (*B024827 001*); 24 MONTHS $49,100

STATE UNIVERSITY AT STONY BROOK

STAMM, JOHN S; *CORTICAL EXCITABILITY CORRELATES OF LEARNING AND MEMORY* (*B013859 X01*); 11 MONTHS $50,800

YESHIVA UNIVERSITY

ANISFELD, MOSHE; *INTERNAL CODING* (*B021280 001*); 24 MONTHS $24,800

NORTH CAROLINA

DUKE UNIVERSITY

STADDON, JOHN E R; *TEMPORAL CONTROL AND THE THEORY OF REINFORCEMENT SCHEDULES* (*B031125 X00*); 12 MONTHS $29,500

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

MUELLER, HELMUT C; *EXPERIMENTAL ANALYSIS OF SOME ASPECTS OF PREDATORY BEHAVIOR* (*B008771 001*); 24 MONTHS $30,200

JONES, LYLE V; *EQUIPMENT AND PERSONNEL FOR A RESEARCH CENTER IN QUANTITATIVE PSYCHOLOGY* (*B031028 X00*); 12 MONTHS $94,300

LOLORDO, VINCENT M; *RESPONSE-INDEPENDENT REINFORCEMENT* (*B031065*); 24 MONTHS $45,600

OHIO

BOWLING GREEN STATE UNIVERSITY

NAGY, Z MICHAEL; *ONTOGENY OF LEARNING AND MEMORY IN MAMMALS* (*B030456*); 24 MONTHS $42,000

BADIA, PIETRO; *RELATIVE REINFORCEMENT IN AVERSIVE SITUATIONS-ANALYSIS OF POSITIVE AND NEGATIVE COMPONENTS* (*B033725*); 24 MONTHS $30,000

KENT STATE UNIVERSITY

MYER, JAMES S; *LEARNING AND THE STIMULUS CONTROL OF INSTINCTIVE BEHAVIOR* (*B031939*); 14 MONTHS $24,600

MIAMI UNIVERSITY

JAHNKE, JOHN C; *REPETITION OF ELEMENTS AND MEMORY* (*B028702 X01*); 12 MONTHS $17,000

SIMMEL, EDWARD C; *SENSORY AND SOCIAL VARIABLES AFFECTING PRIMING OF AGONISTIC BEHAVIOR IN INBRED MICE* (*B033465*); 24 MONTHS $19,500

OHIO STATE UNIVERSITY

WICKENS, DELOS D; *WORD ENCODING AND MEMORY* (*B033680*); 24 MONTHS $26,800

UNIVERSITY OF CINCINNATI

DEMBER, WILLIAM N; *INHIBITION AND ENHANCEMENT OF HUMAN VISUAL PERFORMANCE* (*B033621*); 24 MONTHS $29,800

WESTERN COLLEGE

SCHNUR, PAUL; *LATENT INHIBITION AND CLASSICAL CONDITIONING* (*B033682*); 24 MONTHS $17,200

OKLAHOMA

OKLAHOMA STATE UNIVERSITY

MILLER, RUDOLPH J; *EVOLUTION AND CAUSATION OF SOCIAL BEHAVIOR IN ANABANTOID FISHES* (*B031972*); 24 MONTHS $38,200

UNIVERSITY OF OKLAHOMA

CARPENTER, CHARLES C; *ANALYSIS OF SIGN STIMULI IN THE DISPLAYS OF IGUANID LIZARDS* (*B033986*); 24 MONTHS $20,100

OREGON

MEDICAL RESEARCH FOUNDATION OF OREGON-OREGON REGIONAL PRIMATE RESEARCH CENTER

MONTAGNA, WILLIAM, AND GRAND, THEODORE; *TRAVEL ASSISTANCE FOR PARTICIPANTS IN FOURTH INTERNATIONAL PRIMATOLOGY CONGRESS* (*B032280*); 12 MONTHS $15,500

PENNSYLVANIA

ACADEMY OF NATURAL SCIENCE OF PHILADELPHIA

GILL, FRANK B, AND WOLF, LARRY L; *ECOLOGY OF SOCIAL BEHAVIOR* (*B028956 X01*); 15 MONTHS $40,500

PENNSYLVANIA STATE UNIVERSITY

COFER, CHARLES N; *ORGANIZATIONAL AND CONSTRUCTIVE PROCESSES IN HUMAN MEMORY* (*B030111*); 24 MONTHS $39,100

TRUMBO, DON A, NOBLE, MERRILL E, AND MARTIN, JAMES E; *INFORMATION PROCESSING AND SKILLED PERFORMANCE* (*B031130*); 24 MONTHS $72,200

UNIVERSITY CITY SCIENCE CENTER

EPPLE, GISELA; *CHEMICAL COMMUNICATION IN PRIMATES* (*B033104 X00*); 12 MONTHS $27,200

EPPLE, GISELA; *CHEMICAL COMMUNICATION IN PRIMATES* (*B033104 X01*); $13,100

UNIVERSITY OF PENNSYLVANIA

ROZIN, PAUL; *ADAPTIVE SPECIALIZATIONS IN LEARNING AND MEMORY* (*B008013 001*); 6 MONTHS $8,800

ROZIN, PAUL; *READING STUDIED WITHIN AN ADAPTIVE-EVOLUTIONARY FRAMEWORK* (*B008013 002*); 15 MONTHS $21,600

SMITH, W J; *ANIMAL COMMUNICATION- USE OF PATTERN IN CONTINUOUS SIGNALLING* (*B012957 X01*); 12 MONTHS $20,800

UNIVERSITY OF PITTSBURGH

VOSS, JAMES F; *ASSOCIATIVE ENCODING* (*B030882*); 24 MONTHS $38,200

RHODE ISLAND

BROWN UNIVERSITY

SCHRIER, ALLAN M; *DISCRIMINATION LEARNING IN PRIMATES* (*B018953 X02*); 12 MONTHS $30,000

MILLWARD, RICHARD B; *ATTENTION, MEMORY, AND STRATEGY IN CONCEPT LEARNING (B034188)*; 24 MONTHS $18,500

TENNESSEE

UNIVERSITY OF TENNESSEE, KNOXVILLE-SPACE INSTITUTE

HELVEY, T C; *CONFERENCE ON COMPUTER APPLICATIONS IN HUMAN COMMUNICATION (B030362)*; 12 MONTHS $2,900

TEXAS

UNIV OF TEXAS AT AUSTIN

AMSEL, ABRAM; *DEVELOPMENT AND TRANSFER OF PERSISTENCE EFFECTS (B014990 X01)*; 12 MONTHS $33,900

UTAH

UNIVERSITY OF UTAH

PROKASY, WILLIAM F; *MODELS FOR CLASSICAL CONDITIONING (B030527 X00)*, 12 MONTHS $22,000

UTAH STATE UNIVERSITY

STOKES, ALLEN W, AND BALPH, DAVID F; *EQUIPMENT AND FACILITIES FOR GREEN CANYON STATION-A FACILITY FOR THE STUDY OF ANIMAL BEHAVIOR (B035053)*, 12 MONTHS $17,000

VIRGINIA

VIRGINIA STATE COLLEGE

JOHNSON, JAMES TERRY; *COSIP D RESEARCH INITIATION - BEHAVORIAL CONTRASTS IN MULTIPLE SEDMAN AVOIDANCE SCHEDULES (Y010461)*; 15 MONTHS $21,100

UNIVERSITY OF VIRGINIA-SCHOOL OF MEDICINE

COHEN, DAVID H; *NEURAL MECHANISMS OF CARDIAC CONDITIONING (B013816 X01)*; 12 MONTHS $32,600

WASHINGTON

UNIVERSITY OF WASHINGTON

ALCOCK, JOHN; *EXPERIMENTAL STUDIES OF ADAPTIVE MODIFICATIONS IN FORAGING BEHAVIOR (B028714 X01)*; $5,500

PAULSON, DENNIS R; *ISOLATING AND RELEASING MECHANISMS IN DRAGONFLIES (B033987)*; 24 MONTHS $18,400

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

EMLEN, JOHN T; *EVOLUTION OF VERTEBRATE SOCIAL SYSTEMS (B015304 X01)*; 12 MONTHS $38,000

EMLEN, JOHN T, AND EMLEN, JOHN T JR; *GROUP-SPECIFIC COMMUNICATION PATTERNS IN PRIMATES (B015322 002)*; 12 MONTHS $35,900

SMITH, KARL U; *FEEDBACK ANALYSIS OF BINOCULAR EYE-MOVEMENT AND DEPTH PERCEPTION TRACKING MECHANISMS (B032275 X00)*; 12 MONTHS $32,600

UNIVERSITY OF WISCONSIN, MILWAUKEE

HAY, JOHN C; *DISCRIMINATION OF VIEWPOINT CHANGES FROM OBJECTIVE CHANGES (B033449)*; 24 MONTHS $33,300

NEUROBIOLOGY

ARKANSAS

UNIVERSITY OF ARKANSAS-UNIVERSITY OF ARKANSAS MEDICAL CENTER

POWELL, ERVIN W; *PROJECTIONS OF THE CINGULATE GYRUS (B032170)*; 24 MONTHS $32,000

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

VAN HARREVELD, ANTHONIA; *INVESTIGATIONS OF PHYSIOLOGICAL PROCESSES (B016961 001)*; 24 MONTHS $63,000

MOUNT ZION HOSPITAL & MEDICAL CENTER

LIBET, BENJAMIN, ALBERTS, W WATSON, AND FEINSTEIN, BERTRAM; *CEREBRAL PROCESSES IN CONSCIOUS SENSATION IN MAN (B030552 X00)*; 12 MONTHS $35,000

SALK INSTITUTE FOR BIOLOGICAL STUDIES

HEINEMANN, STEPHEN F; *INTERACTION OF CLONED LINES OF NERVE AND MUSCLE (B031940)*; 24 MONTHS $75,000

STANFORD RESEARCH INSTITUTE

KELLY, DONALD H; *ANTAGONISTIC INTERACTIONS AMONG SPATIAL, TEMPORAL AND CHROMATIC ASPECTS OF VISUAL INFORMATION (B033322 X00)*; 12 MONTHS $35,000

STANFORD UNIVERSITY

SCHUBERT, EARL D; *TIMING PATTERNS FROM DIFFERENT POINTS IN THE COCHLEA (B032145)*; 24 MONTHS $45,000

UNIVERSITY OF CALIFORNIA, BERKELEY

DE VALOIS, RUSSELL L; *PRIMATE COLOR VISION (B012303 X02)*; 12 MONTHS $34,700

TIMIRAS, PAOLA S; *EFFECTS OF THYROID HORMONES ON MYELIN AND GLIAL MEMBRANE IN THE DEVELOPING BRAIN (B028202 001)*; $7,000

ROSENZWEIG, MARK R, AND DIAMOND, MARIAN C; *PLASTICITY OF BRAIN AND MECHANISMS OF MEMORY (B030368 X00)*; 12 MONTHS $99,700

STENT, GUNTHER S; *NEURONAL FUNCTION AND LOCOMOTORY CONTROL (B031933 X00)*; 12 MONTHS $41,600

MARG, ELWIN; *CHANGES OF VISUAL RECEPTIVE FIELDS WITH FIXATION DISTANCE (B033338)*; 24 MONTHS $34,400

UNIVERSITY OF CALIFORNIA, DAVIS

HENRY, KENNETH R; *ACOUSTIC PRIMING OF AUDIOGENIC SEIZURES (B031921)*; 24 MONTHS $32,800

UNIVERSITY OF CALIFORNIA, SAN DIEGO

GREEN, DAVID M; *POISSON MODELS OF PSYCHOPHYSICAL PROCESSES (B030489 X00)*; 12 MONTHS $37,500

BULLOCK, THEODORE H; *NEURONAL INTEGRATIVE MECHANISMS AND THEIR ORGANIZATION IN USEFUL SYSTEMS (B030648 X00)*; 12 MONTHS $65,000

UNIVERSITY OF CALIFORNIA, SAN FRANCISCO

TREVOR, ANTHONY J, AND SHIRACHI, DONALD Y; *TETRODOTOXIN AND SAXITOXIN RECEPTOR ISOLATION (B032807 X00)*; 12 MONTHS $19,900

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

KUNG, CHING; *GENETIC DISSECTION OF EXCITABLE MEMBRANES (B032164 X00)*; 12 MONTHS $37,000

CASE, JAMES F; *NEUROPHYSIOLOGICAL BASIS OF BIOLUMINESCENT COMMUNICATION (B033339 X00)*; 12 MONTHS $15,600

UNIVERSITY OF SOUTHERN CALIFORNIA

BISHOP, LEWIS G; *NEURAL ENCODING OF BEHAVIOR- COLOR VISION AND IMAGE PROCESSING (B030733)*; 24 MONTHS $32,400

LOMA LINDA UNIVERSITY-SCHOOL OF MEDICINE

AUSTIN, GEORGE; *INVESTIGATION OF CEREBROVASCULAR MECHANICS (B031953)*; 24 MONTHS $45,700

STANFORD UNIVERSITY-SCHOOL OF MEDICINE

SHOOTER, ERIC M; *STRUCTURE AND MECHANISM OF ACTION OF THE NERVE GROWTH FACTOR (B031982)*; 24 MONTHS $65,000

UNIVERSITY OF CALIFORNIA, LOS ANGELES-SCHOOL OF MEDICINE

ADEY, WILLIAM R, AND COSTIN, ANATOL; *CEREBRAL INTERCELLULAR AND CELL SURFACE MACROMOLECULES (B027740 X01)*; 12 MONTHS $30,500

ROBERTS, SIDNEY; *LOCALIZATION AND FUNCTIONS OF NEUROHORMONE-SENSITIVE ADENYL CYCLASES IN THE BRAIN (B030300)*; 24 MONTHS $50,000

ELUL, RAFAEL; *NEUROPHYSIOLOGICAL MECHANISMS OF THE ELECTROENCEPHALOGRAM- MICROELECTRODE ANALYSIS OF INTERNEURONAL COUPLING (B030498)*; 12 MONTHS $25,000

HERSCHMAN, H R; *DEVELOPMENTAL REGULATION OF BRAIN-SPECIFIC PROTEIN SYNTHESIS (B030518)*; 24 MONTHS $45,000

TAYLOR, ANNA N; *CENTRAL NERVOUS SYSTEM MECHANISMS IN ENDOCRINE RESPONSES TO STRESS (B033474)*; 24 MONTHS $40,000

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCHOOL OF MEDICINE

ROSENBERG, ROGER N; *METABOLISM OF ACETYLCHOLINE IN MYASTHENIA GRAVIS (B028528 X01)*; 12 MONTHS $21,000

UNIVERSITY OF SOUTHERN CALIFORNIA-SCHOOL OF MEDICINE

LINDSLEY, DAVID F; *BRAIN MECHANISMS OF ATTENTION AND PERCEPTION (B031540)*; 24 MONTHS $40,000

COLORADO

COLORADO STATE UNIVERSITY

ABEL, JOHN H JR; *STEROID BINDING NEURONS IN THE LIMBIC SYSTEM (B033321)*; 12 MONTHS $31,600

UNIVERSITY OF COLORADO

MACGREGOR, RONALD J; *MODELS OF NEURAL NETWORKS (B033687)*; 24 MONTHS $37,500

BATTIG, WILLIAM F, BOURNE, LYLE E, EKSTRAND, BRUCE R, CROTHERS, EDWARD J, AND KIMBLE, GREGORY A; *COHERENT-AREA-OF-SCIENCE SUPPORT OF RESEARCH ON COGNITIVE FACTORS IN HUMAN LEARNING AND MEMORY (B034077 X00*)*; 12 MONTHS $40,000

CONNECTICUT

UNIVERSITY OF BRIDGEPORT

GILINSKY, ALBERTA S; *INTEGRATIVE MECHANISMS IN PERCEPTION (B031029)*; 12 MONTHS $15,000

YALE UNIVERSITY

RUBEL, EDWIN W; *ONTOGENY OF VERTEBRATE SENSORY PROCESSES (B031934)*; 24 MONTHS $44,300

YALE UNIVERSITY-SCHOOL OF MEDICINE

LENTZ, THOMAS L; *TROPHIC FUNCTION OF NERVES DURING REGENERATION (B020902 001)*; 24 MONTHS $46,000

UNIVERSITY OF CONNECTICUT-HEALTH CENTER

MCKELVY, JEFFREY F; *HYPOTHALAMIC RELEASING FACTOR BIOSYNTHESIS (B031846)*; 24 MONTHS $50,000

DISTRICT OF COLUMBIA

AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES

OLIVE, JOHN R; *AMERICAN TABLES COMMITTEE FOR NAPLES ZOOLOGICAL STATION (B007524 002)*, 9 MONTHS $1,000

AMERICAN SOCIETY FOR CYBERNETICS

HERRMANN, ROY; *CONFERENCE ON THE MODELING OF COMPLEX SYSTEMS IN THE PURSUIT OF NATIONAL GOALS (B031695)*; 6 MONTHS $3,750

HOWARD UNIVERSITY

HOLLOWAY, JAMES A; *DORSAL HORN CELL INTERGRATIVE MECHANISMS IN BIRDS AND AMPHIBIANS (B034294)*; 12 MONTHS $25,200

NATIONAL ACADEMY OF SCIENCES

DUNHAM, CHARLES L; *U.S. NATIONAL COMMITTEE FOR THE INTERNATIONAL BRAIN RESEARCH ORGANIZATION (IBRO) (C310244*)*; 12 MONTHS $5,000

FLORIDA

FLORIDA STATE UNIVERSITY

GRAZIADEI, PASQUALE P C; *COMPARATIVE STUDIES ON SENSORY RECEPTORS AND PATHWAYS (B028437 X01)*; 12 MONTHS $25,400

KENSHALO, D R; *BEHAVIORAL AND ELECTROPHYSIOLOGICAL INVESTIGATIONS OF TEMPERATURE SENSITIVITY OF PRIMATES (B030610)*; 24 MONTHS $45,000

BERKLEY, MARK A; *BEHAVIORAL AND ELECTROPHYSIOLOGICAL CORRELATES OF SPATIAL VISION IN THE MAMMALIAN VISUAL SYSTEM (B034166)*; 24 MONTHS $35,400

UNIVERSITY OF FLORIDA

ISAACSON, R L; *EARLY BRAIN DAMAGE AND BEHAVIOR (B017345 001)*; 24 MONTHS $65,000

DAWSON, WILLIAM W; *ORIGINS OF THE FAST RETINAL POTENTIALS (B031649 X00)*; 12 MONTHS $27,000

UNIVERSITY OF MIAMI-SCHOOL OF MEDICINE

LOEWENSTEIN, WERNER R; *CELL DEVELOPMENT AND DIFFERENTIATION (B032068)*; 12 MONTHS $60,000

GEORGIA

EMORY UNIVERSITY

DEFELICE, LOUIS J; *ELECTRICAL NOISE IN BIOLOGICAL AND ARTIFICIAL MEMBRANES (B034716)*; 36 MONTHS $6,000

EMORY UNIVERSITY-YERKES REGIONAL PRIMATE RESEARCH CENTER

MANOCHA, SOHAN L; *CYTOCHEMISTRY OF NERVOUS SYSTEM IN EXPERIMENTAL PROTEIN MALNUTRITION IN PRIMATES (B030358)*; 12 MONTHS $25,000

NADLER, RONALD D; *SEXUAL DIFFERENTIATION OF THE BRAIN (B030757)*; 24 MONTHS $36,100

HAWAII

UNIVERSITY OF HAWAII-SCHOOL OF MEDICINE

GILLARY, HOWARD L; *ELECTRICAL ACTIVITY IN PHOTORECEPTORS (B032091)*; 24 MONTHS $45,000

ILLINOIS

CHICAGO MEDICAL SCHOOL

ALIVISATOS, SPYRIDON G A; *ROLE OF SCHIFF BASES IN THE CNS AS INTERMEDIATES IN THE FORMATION OF TETRAHYDROISOQUINOLINE ALKALOIDS (B030295)*; 12 MONTHS $18,800

ILLINOIS STATE PSYCHIATRIC INSTITUTE

BRUNNGRABER, ERIC G; *STRUCTURE OF BRAIN GLYCOPROTEINS (B033624)*; 24 MONTHS $34,700

NORTHWESTERN UNIVERSITY

GESTELAND, ROBERT C, AND FARBMAN, ALBERT I; *INTRACELLULAR STUDY OF OLFACTORY AND GUSTATORY RECEPTORS (B030520)*; 24 MONTHS $50,800

UNIVERSITY OF CHICAGO

SPYROPOULOS, C S; *DEPENDENCE OF THE MEMBRANE POTENTIAL ON EXTERNAL ELECTROLYTE CONCENTRATION (B030827)*; 12 MONTHS $20,000

UNIVERSITY OF ILLINOIS AT URBANA

DONCHIN, EMANUEL; *SLOW CORTICAL POTENTIALS DURING PERFORMANCE OF COGNITIVE TASKS (B030999)*; 24 MONTHS $40,000

LOYOLA UNIVERSITY-STRITCH SCHOOL OF MEDICINE

NISHI, SYOGORO; *CELLULAR NEUROPHYSIOLOGY OF MAMMALIAN PARASYMPATHETIC GANGLIA (B030360 X00)*; 12 MONTHS $24,800

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

SUTHERS, RODERICK A; *VISUAL AND AUDITORY INTERACTION IN THE BRAIN OF A FACULTATIVE ECHOLOCATOR (B016731 001)*; 24 MONTHS $62,000

MAHLER, HENRY R, AND MOORE, WALTER J; *PROTEIN SYNTHESIS IN INVERTEBRATE PHOTORECEPTORS (B017157 001)*; 24 MONTHS $40,000

NEFF, WILLIAM D; *STUDIES OF SENSORY DISCRIMINATION (B027567 X01)*; 12 MONTHS $35,500

PURDUE UNIVERSITY

LANGFORD, TED L; *NEURAL BASES OF DIRECTIONAL HEARING (B033467)*; 24 MONTHS $40,000

UNIVERSITY OF NOTRE DAME

ESCH, HARALD E; *NEUROPHYSIOLOGICAL STUDIES OF COMMUNICATION (B013494 001)*; 24 MONTHS $40,600

ADLER, KRAIG; *STUDIES ON LIGHT RECEPTORS AND MECHANISMS FOR ORIENTATION (B030647)*; 12 MONTHS $15,100

INDIANA UNIVERSITY, INDIANAPOLIS-SCHOOL OF MEDICINE

OCHS, SIDNEY; *MECHANISM OF FAST AXOPLASMIC TRANSPORT OF MATERIALS IN NERVE FIBERS (B028664 X02)*; 12 MONTHS $29,100

APRISON, M H; *IDENTIFICATION OF NEUROTRANSMITTERS (B028715 X01)*; 12 MONTHS $21,000

MARYLAND

BALTIMORE CITY HOSPITAL

KAMBACK, MARVIN C; *PREFRONTAL CORTICAL ABLATIONS AND ATTENTIONAL DEFICITS (B030634)*; 12 MONTHS $25,200

FEDERATION OF AMER SOCIETIES FOR EXPER BIOLOGY

FEATHERSTONE, ROBERT M; *FIFTH INTERNATIONAL CONGRESS ON PHARMACOLOGY (B031549)*; 12 MONTHS $10,000

MASSACHUSETTS

MARINE BIOLOGICAL LABORATORY

EBERT, JAMES D; *SUPPORT OF A CHARTER VESSEL FOR COLLECTING MATERIALS FOR RESEARCH IN NEUROBIOLOGY (B033218 X00)*; 12 MONTHS $15,000

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SCHMITT, FRANCIS O; *PROBLEMS OF BRAIN AND BEHAVIOR (B032782 X00)*; 12 MONTHS $60,800

NORTHEASTERN UNIVERSITY

SANDLER, SHELDON S, AND FINE, SAMUEL; *THE STRUCTURE OF THE CORNEA (B030320)*; 24 MONTHS $50,100

UNIVERSITY OF MASSACHUSETTS, AMHERST

FITE, KATHERINE V; *RETINAL PROJECTIONS TO THE DIENCEPHALON (B030521)*; 24 MONTHS $27,300

WOODS HOLE OCEANOGRAPHIC INSTITUTION

ATEMA, JELLE, BOYLAN, DAVID B, AND TODD, JOHN H; *CHEMICAL COMMUNICATION IN MARINE ANIMALS (B031853)*; 12 MONTHS $40,000

TUFTS UNIVERSITY-SCHOOL OF MEDICINE

MAUTNER, HENRY G; *ACTIVE SITES OF BIOPOLYMERS INVOLVED IN NERVE CONDUCTION (B031845)*; 24 MONTHS $55,800

MICHIGAN

MICHIGAN STATE UNIVERSITY

JOHNSON, JOHN I; *DETERMINING FACTORS IN BRAIN EVOLUTION (B030783)*; 24 MONTHS $47,300

ZACKS, JAMES L; *VISUAL ADAPTATION (B031843)*; 6 MONTHS $3,500

HEISEY, S RICHARD; *COMPARATIVE PHYSIOLOGY OF CEREBROSPINAL FLUID (B032345)*; 24 MONTHS $39,600

UNIVERSITY OF MICHIGAN

AGRANOFF, BERNARD W; *CHEMICAL CORRELATES OF MEMORY (B032409 X00)*; 12 MONTHS $39,[illegible]00

MISSOURI

WASHINGTON UNIVERSITY

SUGA, NOBUO; *NEURAL PROCESSING OF ACOUSTIC INFORMATION FOR COMMUNICATION AND NAVIGATION (B013904 001)*; 24 MONTHS $85,000

NEBRASKA

UNIVERSITY OF NEBRASKA MEDICAL CENTER AT OMAHA

CLARK, FRANCIS J; *ORIGIN AND CODING OF POSITION INFORMATION FROM LIMBS (B034768)*; 24 MONTHS $40,000

NEW JERSEY

PRINCETON UNIVERSITY

HOEBEL, BARTLEY G; *NEURAL INTERACTION IN THE REGULATION OF MOTIVATED BEHAVIOR (B008431 X02)*; 12 MONTHS $31,900

KONISHI, MASAKAZU; *BEHAVIORAL AND PHYSIOLOGICAL STUDIES OF BIOACOUSTICS (B012729 002)*; 24 MONTHS $59,900

RUTGERS UNIVERSITY

LITCHFIELD, CARTER; *THE ACOUSTICAL FUNCTION OF LIPIDS IN ODONTOCETE ECHOLOCATION (B030553)*; 24 MONTHS $36,000

NEW MEXICO

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY

SCHAFER, ROLLIE; *MICROTUBULE FUNCTION IN NEURONS (B032008)*; 12 MONTHS $5,200

NEW YORK

BROOKLYN COLLEGE

GUTTMAN, RITA; *EXCITATION PROCESS IN NERVE (B028527 001)*; 24 MONTHS $30,500

CORNELL UNIVERSITY

HALPERN, BRUCE P; *CENTRIFUGAL MODULATION OF GUSTATORY RESPONSES (B033462)*; 24 MONTHS $40,000

DOWNSTATE MEDICAL CENTER AT BROOKLYN

FORD, DONALD H; *CONFERENCE ON THE NEUBOBIOLOGICAL ASPECTS OF MATURATION AND AGING (B032126)*; 12 MONTHS $5,000

JEWISH HOSPITAL OF BROOKLYN

BERMAN, A J; *THE EFFECTS OF CEREBELLAR LESIONS ON AGGRESSIVE BEHAVIOR (B030920)*; 28 MONTHS $22,000

ROCKEFELLER UNIVERSITY

RATLIFF, FLOYD; *MULTINEURON ANALYSES OF RETINAL MECHANISMS OF VISION (B006540 X03)*; 12 MONTHS $17,500

ISON, JAMES R; *FACILITATION AND INHIBITION OF REFLEXIVE BEHAVIOR (B014814 002)*; 24 MONTHS $60,100

MAURO, ALEXANDER; *ELECTROPHYSIOLOGICAL STUDY OF EXTRA-OCULAR PHOTORECEPTORS (B029753 001)*; 3 MONTHS $1,900

WEISS, PAUL A; *INTEGRATIVE TREATISE ON NEURONAL FLOW (B031143)*; 24 MONTHS $60,000

STATE UNIVERSITY AT STONY BROOK

BROWN, LEROY T; *FINE STRUCTURE OF MAMMALIAN SPINAL CORD (B031179)*; 24 MONTHS $40,300

IRVING, RONALD E; *COMPARATIVE ANATOMICAL INVESTIGATION OF THE AUDITORY SYSTEM (B034167)*; 24 MONTHS $41,700

SYRACUSE UNIVERSITY

WAYNER, MATTHEW J; *NEURAL REGULATION OF INGESTIVE BEHAVIOR (B018414 002)*; 12 MONTHS $29,100

UNIVERSITY OF ROCHESTER

KELLY, DONALD H; *EFFECTS OF CHROMATIC ADAPTATION ON SINE-WAVE THRESHOLDS (B030782)*; 10 MONTHS $9,800

BROWN, JOHN LOTT; *CONFERENCE- DEVELOPMENTAL ASPECTS OF VISION (B032519)*; 12 MONTHS $4,800

COLUMBIA UNIVERSITY-COLLEGE OF PHYSICIANS AND SURGEONS

KARLIN, ARTHUR; *MOLECULAR INTERACTIONS OF THE ACETYLCHOLINE RECEPTOR (B015906 001)*; 24 MONTHS $56,600

SIMPSON, LANCE L; *MECHANISM OF ACTION OF TYPE A BOTULINUM TOXIN (B032166)*; 24 MONTHS $35,000

CORNELL UNIVERSITY-MEDICAL COLLEGE

SECHZER, JERI; *DEVELOPMENT AND LEARNING (B033469)*; 24 MONTHS $40,000

UNIVERSITY OF ROCHESTER-SCHOOL OF MEDICINE AND DENTISTRY

WOODWARD, DONALD J; *DEVELOPMENT OF CEREBELLUM (B028873 X01)*; 12 MONTHS $28,500

NORTH CAROLINA

DUKE UNIVERSITY

PEELE, TALMAGE L; *STUDY OF THE AMYGDALA AND CORTICO-AMYGDALAR CONNECTIONS (B030659)*; 24 MONTHS $26,400

ERICKSON, ROBERT P; *NEURAL CODE FOR TASTE (B033464 X00)*; 12 MONTHS $25,000

NORTH CAROLINA FDN MENTAL HLTH RES-D DIX HOSP

OPPENHEIM, RONALD W, AND FOELIX, RAINER F; *SYNAPTOGENSIS AND FUNCTION OF EMBRYONIC SPINAL CORD (B031874)*; 24 MONTHS $43,200

UNIVERSITY OF NORTH CAROLINA AT GREENSBORO

HARTER, M RUSSELL; *PERCEPTION AND VISUALLY EVOKED CORTICAL RESPONSE CORRELATES OF PATTERNED STIMULI (B008053 001)*; 12 MONTHS $24,900

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL-SCHOOL OF MEDICINE

OBRIST, PAUL A; *A CONFERENCE ON CONTEMPORARY TRENDS IN PSYCHOPHYSIOLOGY (B031624)*; 12 MONTHS $6,000

OHIO

UNIVERSITY OF TOLEDO

DIEHN, BODO; *BIOCHEMISTRY AND BIOPHYSICS OF PHOTOTAXIS (B018701 001)*; 24 MONTHS $37,500

OREGON

UNIVERSITY OF OREGON - EUGENE

TUNTURI, ARCHIE R; *ANATOMIC STUDY OF THE NERVE NETWORKS OF THE AUDITORY CORTEX (B016133 001)*; 24 MONTHS $50,000

KIMBLE, DANIEL P; *BEHAVIORAL FUNCTIONS OF THE MAMMALIAN HIPPOCAMPUS (B030322)*; 24 MONTHS $40,000

HOYLE, GRAHAM; *NEURAL MECHANISMS UNDERLYING BEHAVIOR (B032018 X00)*; 12 MONTHS $49,000

PENNSYLVANIA

ALBERT EINSTEIN MEDICAL CENTER

BOROFF, DANIEL A; *CHEMISTRY AND BIOLOGICAL ACTIVITY OF THE NEUROTOXIN OF CLOSTRIDIUM BOTULINUM (B030582)*; 18 MONTHS $30,000

BRYN MAWR COLLEGE

OPPENHEIMER, JANE M; *DEVELOPMENTAL STUDIES ON FUNDULUS (B033309 X00)*; 12 MONTHS $11,800

TEMPLE UNIVERSITY

ROBERTS, SHEPHERD K, AND MOTE, MICHAEL I; *LOCALIZATION OF BIOLOGICAL CLOCK ACTIVITY IN THE BRAIN (B030497)*; 24 MONTHS $35,300

UNIVERSITY OF PENNSYLVANIA

HURVICH, LEO M; *QUANTITATIVE THEORETICAL AND EXPERIMENTAL ANALYSIS OF ANOMALOUS COLOR VISION (B032062)*; 24 MONTHS $42,000

TEITELBAUM, PHILIP; *NEUROCHEMICAL ANALYSIS OF THE LATERAL HYPOTHALAMIC SYNDROME (B033440)*; 12 MONTHS $20,000

BRAUN, PETER E; *BIOCHEMICAL MECHANISMS OF NERVE CONDUCTION (B033713)*; 24 MONTHS $50,000

MUETTERTIES, E L, AND PRETI, GEORGE; *STUDY OF THE COMPONENTS IN MAMMALIAN SECRETIONS AND EXCRETION (B034879)*; 12 MONTHS $34,600

UNIVERSITY OF PITTSBURGH

STRICKER, EDWARD M; *PSYCHOBIOLOGY OF BODY FLUID REGULATION (B028830 X01)*; 12 MONTHS $25,000

TEMPLE UNIVERSITY-SCHOOL OF MEDICINE

WANG, MICHAEL B; *THE NEURAL CODING OF THE TASTE SENSATION IN THE RAT AND HAMSTER (B031545)*; 24 MONTHS $11,900

UNIVERSITY OF PENNSYLVANIA-SCHOOL OF MEDICINE

FLEXNER, LOUIS B, AND SEROTA, ROGER G; *ROLE OF NOREPINEPHRINE IN MEMORY (B030503)*; 12 MONTHS $26,800

KISSILEFF, HARRY R, AND QUARTERMAIN, DAVID; *GASTROINTESTINAL CONTROLS OF FOOD INTAKE (B033219)*; 24 MONTHS $60,100

UNIVERSITY OF PITTSBURGH-SCHOOL OF MEDICINE

MAST, TRUMAN E; *BINAURAL INTERACTION AND FUNCTIONAL ORGANIZATION IN COCHLEAR NUCLEUS (B033618)*; 24 MONTHS $32,200

RHODE ISLAND

BROWN UNIVERSITY

CSERR, HELEN F; *THE PHYLOGENY AND ONTOGENY OF BRAIN-BARRIER MECHANISMS (B028472 001)*; 16 MONTHS $23,800

TENNESSEE

UNIVERSITY OF TENNESSEE MED UNITS AT MEMPHIS

BARRETT, TERENCE W; *EFFECT OF INTERAURAL ACOUSTICAL SIGNALS ON THE 'Q' VALUE OF CAT CORTICAL NEURONS (B030359)*; 12 MONTHS $19,900

VANDERBILT UNIVERSITY

MALANEY, GEORGE W; *ROLE OF WATERBORNE MERCURY IN THE INCIDENCE OF MENTAL ILLNESS (B031861)*; 12 MONTHS $9,500

TEXAS

RICE UNIVERSITY

GLANTZ, RAYMON M; *CODING OF VISUAL INFORMATION BY THE CRAYFISH NERVOUS SYSTEM (B033561)*; 24 MONTHS $39,900

UNIV OF TEXAS AT AUSTIN

BITTNER, GEORGE D; *TROPHIC INTERACTIONS OF INVERTEBRATE NEURONS (B030199)*; 24 MONTHS $35,700

UNIV OF TEXAS GRAD SCHOOL OF BIOMED SCIENCES

BENOLKEN, ROBERT M; *ELECTRO-CHEMICAL INTERMEDIATES OF THE RETINA (B033499)*; 24 MONTHS $39,700

VERMONT

UNIVERSITY OF VERMONT

LAWSON, ROBERT B; *HUMAN STEREOSCOPIC DEPTH AND CONTOUR PERCEPTION* (*B030579*); 24 MONTHS $27,500

VIRGINIA

WASHINGTON AND LEE UNIVERSITY

JARRARD, LEONARD E; *THE HIPPOCAMPUS AND MOTIVATION* (*B030113*); 12 MONTHS $20,000

UNIVERSITY OF VIRGINIA-SCHOOL OF MEDICINE

BENEVENTO, LOUIS A; *ANATOMICAL ANALYSIS OF VISUAL SYSTEM* (*B033562 X00*); 12 MONTHS $24,000

WASHINGTON

UNIVERSITY OF WASHINGTON

SACKETT, GENE P, AND BOWDEN, DOUGLAS M; *THE EFFECTS OF ELECTRICAL BRAIN STIMULATION ON BEHAVIORAL DEVELOPMENT* (*B031149*); 24 MONTHS $40,000

WILLOWS, A O DENNIS; *NEURONAL MECHANISMS OF STEREOTYPED BEHAVIOR* (*B033720 X00*); 12 MONTHS $35,000

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

WASSERMAN, GERALD S; *NEUROPHYSIOLOGIC AND BEHAVIORAL STUDIES OF VISION* (*B003581 002*); $4,700

HAILMAN, JACK P; *BEHAVIORAL AND PHYSIOLOGICAL ASPECTS OF ANURAN PHOTOTAXIS AND COLOR VISION* (*B0[illegible]8824 X01*); 12 MONTHS $26,800

DAVENPORT, JOHN W; *THYROID FUNCTION AND INTELLIGENCE* (*B031992*); 24 MONTHS $45,000

UNIVERSITY OF WISCONSIN, MILWAUKEE

KHAVARI, KHALIL A; *NEUROCHEMICAL SUBSTRATES OF REWARD AND PUNISHMENT* (*B023365 001*); 12 MONTHS $21,000

ASTRONOMY, MATHEMATICS, PHYSICS, AND CHEMISTRY

ASTRONOMY

ARIZONA

LOWELL OBSERVATORY

FRANZ, OTTO G; *PHOTOMETRY AND ASTROMETRY OF VISUAL DOUBLE STARS* (*P020090 001*); 12 MONTHS $23,000

GICLAS, HENRY L; *PROPER MOTION SURVEY WITH THE 13-INCH PHOTOGRAPHIC TELESCOPE OF THE LOWELL OBSERVATORY* (*P023965 001*); 12 MONTHS $28,600

UNIVERSITY OF ARIZONA

BOK, BART J; *BLUE STARS AT LOW GALACTIC LATITUDES* (*P019949 001*); 12 MONTHS $43,900

JOHNSON, HAROLD L; *MICHELSON (FOURIER TRANSFORM) SPECTROSCOPY* (*P028057 001*); 12 MONTHS $43,800

GEHRELS, A M J TOM; *PROJECT POLARISCOPE* (*P028204 001**); 12 MONTHS $65,100

LOW, FRANK J, AND RIEKE, GEORGE H; *INFRARED RADIATION FROM GALACTIC NUCLEI AND QUASI-STELLAR OBJECTS* (*P031258*); 12 MONTHS $40,700

THOMPSON, RODGER I; *ANALYSIS OF THE INFRARED SPECTRA OF LATE STARS* (*P031607*); 12 MONTHS $10,000

ROSENDHAL, JEFFREY D; *SPECTROSCOPIC STUDIES OF HIGH-LUMINOSITY STARS* (*P031810*); 12 MONTHS $13,900

WEYMANN, R J, AND WILLIAMS, R E; *SPECTROSCOPIC STUDIES OF QUASI-STELLAR OBJECTS AND SEYFERT GALAXY NUCLEI* (*P032450*); 12 MONTHS $14,900

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

SARGENT, W L W, AND SEARLE, L; *SUPERNOVAE AND COMPACT GALAXIES* (*P024682 001*); 12 MONTHS $42,800

THORNE, KIP S; *RELATIVISTIC AND NUCLEAR ASTROPHYSICS* (*P027304 001*); 12 MONTHS $166,000

STANLEY, GORDON J; *ASTRONOMY RESEARCH AT THE OWENS VALLEY RADIO OBSERVATORY* (*P030400 X00*); 12 MONTHS $469,000

OKE, J B, AND GUNN, J E; *COSMOLOGICAL STUDY OF VERY FAINT GALAXIES* (*P031413*); 12 MONTHS $43,700

STANFORD UNIVERSITY

BRACEWELL, R N; *INVESTIGATIONS WITH THE STANFORD FIVE-ANTENNA ARRAY* (*P031382*); 12 MONTHS $150,300

UNIVERSITY OF CALIFORNIA, BERKELEY

KING, IVAN R; *STRUCTURE OF STELLAR SYSTEMS* (*P027460 001*); 12 MONTHS $28,700

KUHI, LEONARD V; *STARS WITH INFRARED EXCESSES* (*P030348*); 24 MONTHS $48,900

WEAVER, HAROLD; *RADIO ASTRONOMICAL STUDIES* (*P030424 X00*); 12 MONTHS $310,000

GAUSTAD, JOHN E; *INFRARED ASTRONOMY* (*P031592 X00*); 12 MONTHS $86,300

UNIVERSITY OF CALIFORNIA, IRVINE

REINES, FREDERICK; *CONFERENCE - SOLAR NEUTRINOS, STATUS AND PROSPECTS* (*P032434*); 6 MONTHS $2,000

UNIVERSITY OF CALIFORNIA, LOS ANGELES

ALLER, LAWRENCE H; *CHEMICAL COMPOSITIONS OF STARS AND GASEOUS NEBULAE* (*P031506 X00*); 12 MONTHS $19,000

LINGENFELTER, RICHARD E; *COSMIC RAY AND SOLAR PARTICLE STUDIES* (*P031620*); 12 MONTHS $11,800

POPPER, D M, AND PLAVEC, M; *CLOSE BINARY STARS* (*P032886 X00*); 12 MONTHS $55,600

UNIVERSITY OF CALIFORNIA, SAN DIEGO

BURBIDGE, E MARGARET, AND STEIN, WAYNE A; *THEORETICAL AND OBSERVATIONAL STUDIES IN STELLAR AND INTERSTELLAR ASTROPHYSICS* (*P030643 X00*); 12 MONTHS $53,700

RICKETT, BARNABY J, AND HANKINS, TIMOTHY H; *STUDIES OF PULSAR RADIO SIGNALS AFTER REMOVING INTERSTELLAR DISPERSION* (*P031686*); 12 MONTHS $28,000

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

WAMPLER, E J; *DIGITAL IMAGE TUBE SYSTEMS FOR FAINT STAR SPECTROPHOTOMETRY* (*P029684 001*); 12 MONTHS $104,000

FAULKNER, JOHN, AND BODENHEIMER, PETER H; *STELLAR STRUCTURE AND EVOLUTION* (*P032337 X00*); 12 MONTHS $60,000

UNIVERSITY OF CALIFORNIA, SANTA CRUZ-LICK OBSERVATORY

VASILEVSKIS, S; *STELLAR PROPER MOTIONS AND PARALLAXES* (*P026353 001*); 12 MONTHS $41,000

VASILEVSKIS, S; *ADDITION OF ON-LINE COMPUTER TO THE LICK OBSERVATORY AUTOMATIC MEASURING SYSTEM* (*P032459*); 12 MONTHS $55,000

UNIVERSITY OF CALIFORNIA, SAN DIEGO-REVELLE COLLEGE

BURBIDGE, E MARGARET, AND BURBIDGE, GEOFFREY R; *EXTERNAL GALAXIES AND QUASI-STELLAR OBJECTS* (*P020280 001*); 14 MONTHS $60,000

CANADA

UNIVERSITY OF TORONTO

MACRAE, D A; *COLLOQUIUM ON- VARIABLE STARS IN GLOBULAR CLUSTERS AND IN RELATED SYSTEMS* (*P034819*); 12 MONTHS $3,000

COLORADO

UNIVERSITY OF COLORADO

GARSTANG, ROY HENRY; *ATOMIC OSCILLATOR STRENGTHS AND CROSS SECTIONS FOR ASTRONOMICAL APPLICATIONS* (*P020696 001*); 12 MONTHS $45,000

COX, JOHN P, AND HANSEN, CARL; *STELLAR STRUCTURE AND EVOLUTION* (*P020771 001*); 12 MONTHS $50,500

WARWICK, JAMES, AND DULK, GEORGE; *RADIO-ASTRONOMY STUDIES* (*P028038 001*); 12 MONTHS $130,000

CONNECTICUT

WESLEYAN UNIVERSITY

UPGREN, ARTHUR R; *PARALLAXES AND PROPER MOTIONS* (*P015779 001*); 12 MONTHS $25,300

ROOD, HERBERT J, AND PAGE, THORNTON L; *GALAXIES AND CLUSTERS OF GALAXIES* (*P019020 001*); 12 MONTHS $60,700

HILL, HENRY A; *MEASUREMENT OF THE GRAVITATIONAL DEFLECTION OF LIGHT AT THE SANTA CATALINA LABORATORY FOR EXPERIMENTAL RELATIVITY BY ASTROMETRY (SCLERA)* (*P026507 001*); 12 MONTHS $50,800

YALE UNIVERSITY

CLEMENCE, GERALD M; *ORBITAL MECHANICS* (*P026495*); 12 MONTHS $35,000

NEWELL, E BARRY; *ELECTRONOGRAPHIC PHOTOMETRY OF BLUE STARS IN THE GLOBULAR CLUSTER M13* (*P031593 X00*); 12 MONTHS $19,900

DEMARQUE, PIERRE; *STELLAR EVOLUTION* (*P032485 X00*); 12 MONTHS $55,700

YALE-COLUMBIA SOUTHERN OBSERVATORY INC

CLEMENCE, G M; *POSITIONS OF SOUTHERN STARS BY REFERENCE TO GALAXIES* (*P024683 001*); 12 MONTHS $52,500

DISTRICT OF COLUMBIA

NATIONAL ACADEMY OF SCIENCES

KROPP, B L; *ASTROMETRIC RESEARCH IN THE SOUTHERN HEMISPHERE* (*C310007 012*); 12 MONTHS $35,000

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

UNDERHILL, ANNE B; *WORKING CONFERENCE ON STELLAR CHROMOSPHERES* (*AG00284*); 6 MONTHS $3,200

DEPARTMENT OF NAVY-OFFICE OF NAVAL RESEARCH

HAYES, R V; *FLIGHT SUPPORT SERVICES FOR X-RAY ASTRONOMY BALLOON FLIGHTS FROM AUSTRALIA* (*AG00227 001*); 12 MONTHS $27,000

MARTIN, WALTER F; *PURCHASE OF BALLOONS AND HELIUM IN SUPPORT OF COSMIC GAMMA RAY FLIGHTS IN AUSTRALIA BY GLENN M. FRYE, JR., CASE WESTERN RESERVE UNIVERSITY* (*AG00326*); 12 MONTHS $12,000

FLORIDA

UNIVERSITY OF FLORIDA

SMITH, ALEX G; *RADIO OBSERVATIONS OF JUPITER AND SATURN FROM CHILE* (*P012999 001*); 12 MONTHS $16,900

SMITH, ALEX G; *PLANETARY EMISSIONS AT RADIO FREQUENCIES* (*P023456 001*); 12 MONTHS $71,000

WOOD, FRANK BRADSHAW; *THE DISCOVERY AND STUDY OF VARIABLE STARS IN THE SOUTHERN HEMISPHERE* (*P031710 X00*); 12 MONTHS $25,000

HAWAII

UNIVERSITY OF HAWAII

JEFFERIES, JOHN T; *THEORETICAL STUDIES IN FORMATION AND ANALYSIS OF SPECTRAL LINES* (*P031750 X00*); 12 MONTHS $45,700

ILLINOIS

BAUTZ, LAURA P; *OTHER PROGRAM AWARDS* (*01AWDS*); 15 MONTHS $32,600

NORTHWESTERN UNIVERSITY

BAUTZ, LAURA P; *STUDIES IN THE PHYSICAL CHARACTERISTICS OF GALAXIES* (*P029737 001*); 15 MONTHS $6,600

UNIVERSITY OF CHICAGO

VAN ALTENA, W F; *RESEARCH ON OPEN CLUSTERS AND STELLAR PARALLAXES AT THE YERKES OBSERVATORY* (*P013771 001*); 10 MONTHS $12,300

MORGAN, WILLIAM W; *MORPHOLOGICAL INVESTIGATIONS BASED ON SPECTRAL CLASSIFICATION* (*P019702 X01*); 12 MONTHS $16,900

PALMER, PATRICK E; *OBSERVATIONAL AND THEORETICAL STUDIES OF RADIO FREQUENCY SPECTRAL LINES FROM THE INTERSTELLAR MEDIUM* (*P024779 001*); 12 MONTHS $20,700

UNIVERSITY OF ILLINOIS AT URBANA

SWENSON, G W JR; *OPERATION OF THE VERMILION RIVER OBSERVATORY* (*P020108 001*); 12 MONTHS $154,000

KALER, JAMES B; *SPECTRA OF PLANETARY NEBULAE* (*P022957 001*); 21 MONTHS $22,600

LOUISIANA

LOUISIANA STATE UNIVERSITY, BATON ROUGE

BOND, HOWARD E; *METAL-DEFICIENT RED-GIANT STARS OF THE GALACTIC HALO* (*P031708*); 12 MONTHS $8,100

LOUISIANA STATE UNIVERSITY, BATON ROUGE-AGRICULTURAL EXPERIMENT STATION

LANDOLT, ARLO U; *OBSERVATIONS OF ECLIPSING BINARY STAR HD 35921 IN AN INTERNATIONAL COOPERATIVE PROGRAM* (*P031504*); 6 MONTHS $1,200

MARYLAND

UNIVERSITY OF MARYLAND, COLLEGE PARK

ERICKSON, WILLIAM C; *RADIO ASTRONOMICAL WORK AT THE CLARK LAKE RADIO OBSERVATORY* (*P019401 001*); 12 MONTHS $90,000

HARRINGTON, J PATRICK; *LY-A RADIATION PRESSURE AND THE DYNAMICS OF YOUNG PLANETARY NEBULAE* (*P019774 001*); 12 MONTHS $16,300

KERR, F J; *INVESTIGATIONS OF GALACTIC STRUCTURE* (*P027503 001*); 12 MONTHS $69,100

BELL, ROGER A; *SYNTHETIC SPECTROSCOPY OF STARS* (*P030791*); 12 MONTHS $33,100

WESTERHOUT, GART; *THE MARYLAND-GREEN BANK 21-CM LINE SURVEY* (*P032340*); 7 MONTHS $36,500

WENTZEL, DONAT G; *INTERSTELLAR WINDS DRIVEN BY COSMIC RAYS* (*P034742*); 12 MONTHS $5,100

MASSACHUSETTS

AMHERST COLLEGE

GREENSTEIN, GEORGE; *SUPERFLUIDITY IN NEUTRON STARS* (*P031410*); 24 MONTHS $27,800

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LEWIN, W H G; *X-RAY ASTRONOMY BALLOON FLIGHTS* (*P019775 001*); 12 MONTHS $51,200

IBEN, ICKO JR; *STELLAR PULSATION AND STELLAR EVOLUTION* (*P019777 001*); 12 MONTHS $33,200

HARRISON, GEORGE R; *TECHNIQUES OF RULING LARGE DIFFRACTION GRATINGS* (*P020091 001*); 12 MONTHS $33,300

BARRETT, ALAN H; *RADIO ASTRONOMY OBSERVATIONS* (*P020769 001*); 12 MONTHS $75,300

BURKE, BERNARD F; *RADIO ASTRONOMY* (*P021348 001*); 12 MONTHS $160,500

MORRISON, PHILIP; *THEORETICAL ASTROPHYSICS AND COSMOLOGY* (*P030860 X00*); 12 MONTHS $50,600

BRIDGE, HERBERT S; *EXPERIMENTAL ASTROPHYSICS* (*P031378*); 12 MONTHS $120,000

MCCORD, THOMAS B, AND WESTPHAL, JAMES A; *TV-LIKE SYSTEM FOR DIRECT TELESCOPE IMAGE PHOTOMETRY* (*P031516*); 12 MONTHS $46,800

NORTHEAST RADIO OBSERVATORY CORPORATION

SEBRING, PAUL B; *RADIO ASTRONOMY AT THE HAYSTACK OBSERVATORY* (*P025865 001*); 12 MONTHS $510,700

SEBRING, PAUL B; *RADIO ASTRONOMY AT THE HAYSTACK OBSERVATORY* (*P025865 002*); 12 MONTHS $149,000

UNIVERSITY OF MASSACHUSETTS, AMHERST

DENT, WILLIAM A; *MEASUREMENTS OF THE TIME VARIABILITY OF RADIO SOURCES* (*P014690 001*); 12 MONTHS $15,000

IRVINE, WILLIAM M, AND VAN BLERKOM, DAVID J; *RADIATIVE TRANSFER IN ASTROPHYSICAL SITUATIONS* (*P022742 001*); 12 MONTHS $16,100

YNGVESSON, K SIGFRID; *MASER RECEIVERS FOR TWO TO THREE MILLIMETER WAVELENGTH* (*P026108 001*); 12 MONTHS $56,500

HUGUENIN, G R, AND TAYLOR, J H; *METER-WAVE RADIO ASTRONOMY PROGRAM* (*P032414 X00*); 12 MONTHS $128,300

HARVARD UNIVERSITY-OBSERVATORY

MAXWELL, ALAN, AND HARRIS, DANIEL E; *INTERPLANETARY SCINTILLATION TECHNIQUES APPLIED TO GALACTIC AND EXTRAGALACTIC RADIO ASTRONOMY* (*P008115 001*); 12 MONTHS $37,600

LILLEY, A E; *HARVARD RADIO ASTRONOMY RESEARCH PROGRAMS* (*P019717 001*); 12 MONTHS $223,400

DALGARNO, A, AND LAYZER, D; *THEORETICAL ATOMIC AND MOLECULAR PHYSICS* (*P031224*); 12 MONTHS $56,000

MICHIGAN

UNIVERSITY OF MICHIGAN

MILLER, FREEMAN D; *OPERATION OF THE UNIVERSITY OF MICHIGAN CURTIS MEMORIAL TELESCOPE AT CERRO TOLOLO, CHILE* (*P007259 X03*); 12 MONTHS $40,700

HADDOCK, FRED T; *RADIO ASTRONOMY* (*P021349 001*); 12 MONTHS $152,100

COWLEY, CHARLES R, AND COWLEY, ANNE P; *TWO DIMENSIONAL CLASSIFICATION OF STARS SOUTH OF 020DEGREES IN THE HENRY DRAPER CATALOGUE* (*P023709 001*); 12 MONTHS $33,200

MINNESOTA

UNIVERSITY OF MINNESOTA

LUYTEN, WILLEM J; *MOTIONS OF FAINT STARS* (*P023509 001*); 13 MONTHS $25,400

WOOLF, NEVILLE J, AND STEIN, WAYNE A; *SIXTY INCH INFRARED TELESCOPE FACILITY* (*P027983 001*); 12 MONTHS $35,900

NEY, EDWARD P; *INFRARED OBSERVING AT CERRO TOLOLO, 1972* (*P032142*); 12 MONTHS $5,500

WOOLF, NEVILLE J, AND STEIN, WAYNE A; *INFRARED ASTRONOMY* (*P032772*); 12 MONTHS $39,000

NEW JERSEY

PRINCETON UNIVERSITY

SCHWARZSCHILD, MARTIN, AND DANIELSON, ROBERT E; *THEORETICAL ASTROPHYSICS* (*P023580 001*); 12 MONTHS $90,000

MORTON, DONALD C; *DIGITAL TELEVISION SYSTEM FOR DISCRETE PHOTON DETECTION* (*P027998 001*); 12 MONTHS $65,000

SMITH, WILLIAM HAYDEN; *ATOMIC AND MOLECULAR ABSOLUTE TRANSITION PROBABILITIES* (*P030227*); 12 MONTHS $50,000

SPITZER, LYMAN JR; *OBSERVATIONAL ASTRONOMY PROGRAM* (*P030347*); 12 MONTHS $33,800

BAHCALL, JOHN N; *RESEARCH IN EXTRAGALACTIC ASTROPHYSICS* (*P032394*); 12 MONTHS $11,700

OSTRIKER, JEREMIAH P; *THEORETICAL HIGH ENERGY ASTROPHYSICS* (*P034888 X00*); 12 MONTHS $43,800

NEW MEXICO

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY

COLGATE, STIRLING A, AND MOORE, ELLIOTT P; *DIGITIZED ASTRONOMY AND SUPERNOVA SEARCH* (*P027698 001*); 12 MONTHS $80,000

UNIVERSITY OF NEW MEXICO

KING, DAVID S; *STELLAR PULSATION THEORY* (*P031010*); 12 MONTHS $16,100

NEW YORK

COLUMBIA UNIVERSITY

PRENDERGAST, KEVIN H; *DYNAMICS OF GALAXIES* (*P027765 001**); 12 MONTHS $34,900

BAKER, NORMAN, AND LUCY, LEON B; *AERODYNAMICAL PHENOMENA IN STARS* (*P030027*); 12 MONTHS $42,800

ANGEL, J R P; *POLARIZATION STUDIES OF MAGNETIC WHITE DWARF STARS* (*P031356 X00*); 12 MONTHS $34,300

CORNELL UNIVERSITY

SALPETER, E E; *THEORETICAL STUDIES IN ASTROPHYSICS* (*P020068 001*); 12 MONTHS $160,000

DUDLEY OBSERVATORY

GREENBERG, J MAYO; *INTERNATIONAL ASTRONOMICAL UNION SYMPOSIUM ON INTERSTELLAR GRAINS AND MOLECULES* (*P033127*); 12 MONTHS $3,500

STATE UNIVERSITY AT STONY BROOK

STROM, STEPHEN E; *STELLAR ATMOSPHERES* (*P011867 001*); 12 MONTHS $50,800

PETERSON, DEANE M; *MASS LOSS IN EARLY-TYPE AND PRE-MAIN SEQUENCE STARS* (*P030048*); 12 MONTHS $13,900

BREGER, MICHEL; *PRE-MAIN SEQUENCE AND PECULIAR STARS* (*P031027*); 12 MONTHS $1[illegible]

SIMON, MICHAEL AND STROM, S E; *HIGH RESOLUTION ASTRONOMICAL PHOTOGRAPHY BY SPECKLE INTERFEROMETRY* (*P031254*); 12 MONTHS $[illegible],000

KNACKE, ROGER F; *GROUND-BASED INFRARED PHOTOMETRY AND SPECTROSCOPY* (*P031123*); 12 MONTHS $35,300

UNIVERSITY OF ROCHESTER

SHARPLESS, S L, AND DUTHIE, J G M; *LUNAR OCCULTATIONS OF STARS* (*P031804*); 12 MONTHS $13,400

YESHIVA UNIVERSITY

TRURAN, JAMES W; *RESEARCH IN NUCLEAR ASTROPHYSICS* (*P030289*); 24 MONTHS $49,900

CAMERON, A G W; *NUCLEOSYNTHESIS AND ASTROPHYSICS* (*P031227 X00**); 12 MONTHS $35,000

OHIO

CASE WESTERN RESERVE UNIVERSITY

MCCUSKEY, S W, AND BIDELMAN, W P; *LOW-DISPERSION ASTRONOMICAL SPECTROSCOPY AND GALACTIC STRUCTURE* (*P021203 001*); 14 MONTHS $135,300

FRYE, GLENN M JR; *HIGH ENERGY GAMMA RADIATION AT ONE MILLIBAR* (*P027525 001*); 12 MONTHS $142,200

OHIO STATE UNIVERSITY

KRAUS, JOHN D; *RESEARCH IN RADIO ASTRONOMY* (*P025773 001*); 12 MONTHS $245,500

KEENAN, PHILIP C; *IMPROVEMENT IN SPECTRAL TYPES AND LUMINOSITY CALIBRATION OF LATE-TYPE GIANTS AND SUPERGIANTS* (*P030949*); 24 MONTHS $15,400

WING, ROBERT F; *SPECTROPHOTOMETRY OF LATE-TYPE STARS* (*P031673 X00*); 12 MONTHS $32,800

OREGON

UNIVERSITY OF OREGON - EUGENE

EBBIGHAUSEN, EDWIN G, AND DONNELLY, RUSSELL J; *RESEARCH AT PINE MOUNTAIN OBSERVATORY* (*P019021 001*); 12 MONTHS $45,400

PENNSYLVANIA

SWARTHMORE COLLEGE

VAN DE KAMP, PETER; *ASTROMETRIC STUDY OF NEARBY STARS* (*P017531 001*); 12 MONTHS $96,900

TEXAS

RICE UNIVERSITY

HAYMES, ROBERT C; *LOW ENERGY CELESTIAL GAMMA RADIATION* (*P025226 001*); 12 MONTHS $149,200

UNIV OF TEXAS AT AUSTIN

GRIBOVAL, PAUL J, AND SMITH, HARLAN J; *CONSTRUCTION OF A HIGH-RESOLUTION, HIGH-SENSITIVITY ELECTRONOGRAPHIC CAMERA* (*P024488 001*); 12 MONTHS $138,200

DOUGLAS, JAMES N; *CONTINUED PROGRAM OF EXTRAGALACTIC AND SOLAR SYSTEM RADIO ASTRONOMY* (*P029638 001*); 12 MONTHS $99,900

ARNETT, W DAVID; *STELLAR EVOLUTION AND NUCLEOSYNTHESIS* (*P033051*); 12 MONTHS $19,900

EVANS, DAVID S; *PHOTOELECTRIC MEASUREMENT OF LUNAR OCCULATATIONS* (*P032263 X00*); 12 MONTHS $40,000

LAMBERT, DAVID L; *INFRARED STELLAR SPECTROSCOPY WITH A CONNES'-TYPE INTERFEROMETER* (*P032322 X00*); 12 MONTHS $44,700

UNIV OF TEXAS AT DALLAS

TINSLEY, BEATRICE M; *THEORETICAL INVESTIGATION OF THE STELLAR AND GASEOUS CONTENTS OF GALAXIES AND THEIR EVOLUTION* (*P030455 X00*); 12 MONTHS $15,200

UTAH

BRIGHAM YOUNG UNIVERSITY

MCNAMARA, D H; *PHOTOMETRIC AND SPECTROGRAPHIC INVESTIGATIONS OF STARS* (*P031684*); 12 MONTHS $20,200

VIRGINIA

UNIVERSITY OF VIRGINIA

FREDRICK, LAURENCE W; *PARALLAXES AND PROPER MOTIONS OF SELECTED STARS* (*P025090 001*); 12 MONTHS $40,000

SNYDER, LEWIS E; *A THEORETICAL AND OBSERVATIONAL RADIO STUDY OF THE MOLECULAR COMPOSITION OF INTERSTELLAR CLOUDS* (*P034800*); 12 MONTHS $19,900

WASHINGTON

UNIVERSITY OF WASHINGTON

BARDEEN, JAMES M, AND PETERS, PHILIP C; *GENERAL RELATIVISTIC ASTROPHYSICS* (*P032997 X00*); 12 MONTHS $41,600

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

OSTERBROCK, DONALD E; *STUDIES OF GASEOUS NEBULAE* (*P030670 X00*); 12 MONTHS $49,100

MATHIS, JOHN S; *THEORETICAL STUDIES OF GASEOUS NEBULAE* (*P031566 X00*); 10 MONTHS $10,600

UNIVERSITY OF WISCONSIN, PARKSIDE

PYPER, DIANE M; *SPECTROPHOTOMETRIC INVESTIGATIONS OF AP STARS* (*P031384*); 24 MONTHS $25,000

MATHEMATICAL SCIENCES

ARIZONA

UNIVERSITY OF ARIZONA

FIFE, PAUL C; *SINGULAR PERTURBATIONS AND CONTINUUM MECHANICS WITH PHYSIOLOGICAL APPLICATIONS* (*P030255 X00*); 12 MONTHS $16,500

RUND, H; *MULTIPLE INTEGRAL VARIATIONAL PROBLEMS* (*P032830*); 2 MONTHS $10,000

CLAY, JAMES R; *ENDOMORPHISM NEAR-RINGS OF GROUP AND CO-GROUP OBJECTS OF A CATEGORY, NEAR-RINGS AND BALANCED INCOMPLETE BLOCK DESIGNS* (*P033315*); 26 MONTHS $14,100

GREENLEE, WILFRED M, AND LAETSCH, THEODORE; *NONLINEAR EIGENVALUE PROBLEMS AND PERTURBATION THEORY* (*P033652*); 12 MONTHS $12,600

GROEMER, HELMUT; *AFFINE INVARIANTS OF CONVEX SETS* (*P034002*); 12 MONTHS $8,300

ARKANSAS

UNIVERSITY OF ARKANSAS

SUMMERS, W H; *WEIGHTED SPACES AND WEIGHTED APPROXIMATION* (*P034370*); 12 MONTHS $4,800

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

TODD, JOHN; *COMPUTATIONAL PROBLEMS IN ALGEBRA AND ANALYSIS* (*P023306 002*); 12 MONTHS $45,000

LUXEMBURG, W A J; *ANALYSIS AND NONSTANDARD ANALYSIS* (*P023392 001*); 12 MONTHS $50,100

DILWORTH, R P; *MATHEMATICAL ALGEBRA* (*P025664 001*); 12 MONTHS $33,800

LAGERSTROM, PACO A; *PARTIAL DIFFERENTIAL EQUATIONS AND CONTINUUM MECHANICS* (*P032157 X00*); 12 MONTHS $37,000

CLAREMONT GRADUATE SCHOOL

JAMES, ROBERT C; *GEOMETRY OF NORMED LINEAR SPACES* (*P028578 001*); 24 MONTHS $20,200

WILLIAMSON, ROBERT E; *ALGEBRAIC SURGERY ON MANIFOLDS* (*P033999*); 12 MONTHS $6,500

COLLEGE OF NOTRE DAME

BRENNER, J L; *THEORY OF MATRICES* (*P032527*); 12 MONTHS $11,800

STANFORD UNIVERSITY

COHEN, PAUL J; *FUNCTIONAL ANALYSIS* (*P028112 001*); 12 MONTHS $26,000

DELEEUW, KAREL; *HARMONIC AND ABSTRACT ANALYSIS* (*P028580 001*); 12 MONTHS $26,000

KARLIN, SAMUEL, AND MCGREGOR, JAMES; *PROBABILITY THEORY AND APPLICATIONS IN ANALYSIS* (*P028876 001*); 12 MONTHS $21,900

FEFERMAN, SOLOMON; *MATHEMATICAL LOGIC AND THE FOUNDATIONS OF MATHEMATICS* (*P029254 001*); $6,900

SAMELSON, HANS, AND MILGRAM, R JAMES; *ALGEBRA AND TOPOLOGY* (*P029696 001*); 12 MONTHS $20,000

MOSES, LINCOLN E; *AN INTERNATIONAL SYMPOSIUM ON STATISTICAL PROBLEMS OF POPULATION RESEARCH, EAST-WEST CENTER, HONOLULU, HAWAII, AUGUST, 1971* (*P030376*); 12 MONTHS $6,900

MOSES, LINCOLN E, AND STEIN, CHARLES M; *STATISTICAL THEORY AND METHODOLOGY* (*P030711 X00*); 12 MONTHS $72,800

IGLEHART, DONALD L; *APPLIED PROBABILITY* (*P031392 X00*); 12 MONTHS $18,400

DANTZIG, GEORGE B, AND COTTLE, RICHARD W; *OPTIMIZATION THEORY* (*P031393 X00*); 12 MONTHS $31,700

OLKIN, INGRAM; *MULTI-DIMENSIONAL STATISTICAL ANALYSIS* (*P032326 X00*); 12 MONTHS $43,600

OSSERMAN, ROBERT; *DIFFERENTIAL GEOMETRY AND ASSOCIATED PARTIAL DIFFERENTIAL EQUATIONS* (*P032460 X00*); 12 MONTHS $16,900

BENNETT, BRUCE; *ALGEBRAIC GEOMETRY* (*P033045*); 12 MONTHS $5,700

ORNSTEIN, DONALD S; *PROBABILITY AND ERGODIC THEORY* (*P033581 X00*); 12 MONTHS $22,000

BERGMAN, STEFAN; *THEORY OF ANALYTIC FUNCTIONS* (*P033779*); 12 MONTHS $11,000

ROYDEN, HALSEY L; *COMPLEX AND ABSTRACT ANALYSIS* (*P033942 X00*); 12 MONTHS $30,300

FEFERMAN, SOLOMON; *MATHEMATICAL LOGIC AND THE FOUNDATIONS OF MATHEMATICS* (*P034091 X00*); 12 MONTHS $34,000

EAVES, B CURTIS; *COMPUTATION OF FIXED POINTS* (*P034559*); 12 MONTHS $9,500

UNIVERSITY OF CALIFORNIA, BERKELEY

SMALE, STEPHEN; *GLOBAL ANALYSIS* (*P014519 001*); 1 MONTHS $12,300

SMALE, STEPHEN; *GLOBAL ANALYSIS AND APPLICATIONS* (*P014519 002*); 12 MONTHS $75,200

FELDMAN, JACOB; *SOME TOPICS IN FUNCTIONAL ANALYSIS, PROBABILITY THEORY AND MATHEMATICAL PHYSICS* (*P015735 001*); 12 MONTHS $22,700

KOBAYASHI, SHOSHICHI, AND WOLF, JOSEPH A; *LIE GROUPS AND DIFFERENTIAL GEOMETRY* (*P016651 001*); 12 MONTHS $39,500

MORREY, CHARLES B JR, AND LEWY, HANS; *ANALYSIS, PARTIAL DIFFERENTIAL EQUATIONS* (*P020095 001*); $6,000

SATAKE, ICHIRO; *ALGEBRAIC GROUPS AND ABELIAN VARIETIES* (*P020436 001*); 12 MONTHS $15,100

SEIDENBERG, ABRAHAM, AND ROSENLICHT, MAXWELL A; *ALGEBRA AND ALGEBRAIC GEOMETRY* (*P020532 002*); 12 MONTHS $62,100

LEITMANN, G; *A DIFFERENTIAL GAME MODEL OF COLLECTIVE BARGAINING* (*P024205 001*); 12 MONTHS $19,300

PROTTER, M H; *PARTIAL DIFFERENTIAL EQUATIONS* (*P029009 001*); 12 MONTHS $10,200

KATO, TOSIO; *PARTIAL DIFFERENTIAL EQUATIONS AND OPERATOR THEORY* (*P029369 X01*); 12 MONTHS $30,000

CHERN, SHIING-SHEN; *DIFFERENTIAL GEOMETRY* (*P029697 001*); 6 MONTHS $22,400

TARSKI, ALFRED, AND HENKIN, LEON; *METAMATHEMATICS* (*P029720 001*); $31,100

KELLEY, JOHN L, AND MOORE, CALVIN C; *FUNCTIONAL ANALYSIS* (*P030798 X00*); 12 MONTHS $109,500

GALE, DAVID, AND SHEPHARD, RONALD W; *MATHEMATICAL STUDIES IN OPERATIONS RESEARCH* (*P030961 X00*); 12 MONTHS $43,200

LECAM, LUCIEN M; *PROBABILITY AND STATISTICS* (*P031[illegible] X00*); 12 MONTHS $70,000

TAUB, A H; *ANALYTIC AND NUMERICAL STUDIES IN GENERAL RELATIVITY* (*P031358 X00**); 12 MONTHS $14,350

BRILLINGER, DAVID R; *EMPIRICAL SPECTRAL ANALYSIS OF PROCESSES WITH STATIONARY INCREMENTS* (*P031411*); 24 MONTHS $[illegible]

RHODES, JOHN L; *APPLIED AND PURE ALGEBRA* (*P033316*); 12 MONTHS $6,800

DOKSUM, KJELL A; *NON-PARAMETRIC AND ISOTONIC INFERENCE, DECISION THEORY* (*P033697 X00*); 12 MONTHS $13,700

JENSEN, RONALD B, AND SOLOVAY, ROBERT M; *SET THEORY* (*P033951*); 12 MONTHS $18,000

KIRBY, ROBION C; *ALGEBRAIC & DIFFERENTIAL TOPOLOGY* (*P034006*); 12 MONTHS $9,000

THOMAS, P EMERY; *TOPOLOGY* (*P034217 X00*); 12 MONTHS $34,000

CHERN, SHIING-SHEN; *DIFFERENTIAL GEOMETRY* (*P034785 X00*); 12 MONTHS $55,000

UNIVERSITY OF CALIFORNIA, IRVINE

MCCARTY, GEORGE S; *FOUNDATIONS OF DIFFERENTIAL GEOMETRY AND DIFFERENTIAL TOPOLOGY* (*P029721 001*); 12 MONTHS $14,000

RUSSO, BERNARD; *FUNCTIONAL ANALYSIS* (*P030222*); 12 MONTHS $11,600

WHITLEY, ROBERT J; *BOUNDED LINEAR OPERATORS* (*P034005*); 12 MONTHS $6,400

KARAMARDIAN, STEPAN; *NONLINEAR AND GENERALIZED COMPLEMENTARITY PROBLEMS- THEORY AND SOLUTION TECHNIQUES* (*P034619*); 12 MONTHS $13,000

UNIVERSITY OF CALIFORNIA, LOS ANGELES

GEOFFRION, ARTHUR M; *OPTIMIZATION OF LARGE SCALE SYSTEMS* (*P026294 001**); 12 MONTHS $40,000

O'NEILL, BARRETT; *DIFFERENTIAL GEOMETRY* (*P027576 001*); 12 MONTHS $28,000

CHANG, C C, AND MOSCHOVAKIS, Y N; *FOUNDATIONS OF MATHEMATICS* (*P027964 001*); 12 MONTHS $26,500

SANCHEZ, DAVID A; *DIFFERENTIAL EQUATIONS AND APPLIED MATHEMATICS* (*P027973 001*); 12 MONTHS $13,600

STRAUS, ERNST G; *ALGEBRA (GROUP THEORY, DIVISION ALGEBRAS, UNIVERSAL ALGEBRAS), NUMBER THEORY AND COMBINATORICS* (*P028696 001*); $8,100

STRAUS, ERNST G; *ALGEBRA (GROUP THEORY, DIVISION ALGEBRAS, UNIVERSAL ALGEBRAS), NUMBER THEORY AND COMBINATORICS* (*P028696 002*); 12 MONTHS $26,600

BECKENBACH, E F; *ANALYSIS AND GEOMETRY* (*P028971 001*); $11,700

CURTIS, P C JR, AND BADE, WILLIAM G; *CONTINUITY PROBLEMS FOR MAPPINGS OF BANACH ALGEBRAS* (*P029012 001*); 12 MONTHS $24,200

BROWN, ROBERT F; *RESEARCH IN ALGEBRAIC TOPOLOGY* (*P029639 001*); 12 MONTHS $6,200

BALAKRISHNAN, A V; *COLLOQUIUM ON OPTIMIZATION TECHNIQUES* (*P031002*); 18 MONTHS $6,400

STONE, CHARLES J; *INFINITE PARTICLE SYSTEMS, POTENTIAL THEORY, ROBUST ESTIMATION, AND NONPARAMETRIC STATISTICS* (*P033431 X00*); 12 MONTHS $30,100

CANTOR, DAVID, AND GORDON, BASIL; *COMBINATORICS, ALGEBRA AND NUMBER THEORY* (*P033580 X00*); 12 MONTHS $37,000

GAMELIN, THEODORE; *FUNCTIONAL ANALYSIS AND BANACH ALGEBRA THEORY* (*P033693 X00*); 12 MONTHS $36,000

ARENS, RICHARD F; *FUNCTIONAL ANALYSIS AND APPLICATIONS* (*P033694 X00*); 12 MONTHS $58,300

EDWARDS, ROBERT D; *GEOMETRY AND TOPOLOGY OF MANIFOLDS* (*P034487*); 12 MONTHS $5,300

CURTIS, PHILIP C; *MATHEMATICAL LOGIC* (*P034711*); 12 MONTHS $5,700

UNIVERSITY OF CALIFORNIA, RIVERSIDE

BLOCK, RICHARD E; *LIE ALGEBRAS AND RELATED TOPICS* (*P023998 001*); 12 MONTHS $17,700

STRALKA, ALBERT R; *EXTENDING CONGRUENCES ON COMPACT SEMIGROUPS* (*P033912*); 12 MONTHS $5,000

UNIVERSITY OF CALIFORNIA, SAN DIEGO

ROSENBLATT, MURRAY, AND EVANS, JOHN; *MATHEMATICAL MODELS IN BIOLOGY* (*P020863 001*); 12 MONTHS $11,900

FRANKEL, THEODORE; *COMPLEX MANIFOLDS, TOPOLOGY AND GEOMETRY OF MANIFOLDS* (*P027670 001*); 12 MONTHS $8,600

SMALL, LANCE, AND PATTERSON, RICHARD; *RING THEORY AND ALGEBRAIC TOPOLOGY* (*P029375 001*); 12 MONTHS $12,000

GETOOR, RONALD, AND SHARPE, MICHAEL J; *MARKOV PROCESSES AND RELATED TOPICS* (*P030737*); 24 MONTHS $41,200

SMALL, LANCE; *NON COMMUTATIVE RING THEORY* (*P031424*); 12 MONTHS $10,100

WARSCHAWSKI, STEFAN E; *UNIVALENT FUNCTIONS AND CONFORMAL MAPPING* (*P032156*); 12 MONTHS $21,600

ANDERSON, DONALD; *ALGEBRAIC TOPOLOGY AND ALGEBRAIC K THEORY* (*P034489*); 12 MONTHS $24,800

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

BRUCKNER, ANDREW M; *THEORY OF DIFFERENTIATION* (*P018968 002*); 12 MONTHS $7,300

AKEMANN, CHARLES A; *C*-ALGEBRAS AS THE FOUNDATION OF QUANTUM MECHANICS* (*P019101 002*); 12 MONTHS $4,900

FAN, KY; *FUNCTIONAL ANALYSIS (TOPOLOGICAL VECTOR SPACES)* (*P020632 002*); 12 MONTHS $18,900

ERNEST, JOHN A; *OPERATOR THEORY WITHIN A VON NEUMANN ALGEBRA* (*P021196 001*); 12 MONTHS $7,300

BACHMUTH, SEYMOUR, AND MOCHIZUKI, HORACE Y; *RESTRICTED BURNSIDE PROBLEM* (*P029080 X01*); 12 MONTHS $12,500

GERSTEIN, LARRY J; *MINIMA AND CLASS NUMBERS OF QUADRATIC FORMS OVER GLOBAL FIELDS* (*P033044*); 12 MONTHS $5,500

ZELMANOWITZ, JULIUS M; *ENDOMORPHISM RINGS OF FINITE-DIMENSIONAL MODULES* (*P034098*); 12 MONTHS $5,500

BERENS, HUBERT; *NON-COMMUTING APPROXIMATION PROCESSES ON BANACH SPACES* (*P034417*); 12 MONTHS $6,700

BOEHME, THOMAS K; *CONVOLUTION INTEGRALS* (*P034558*); 12 MONTHS $6,700

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

WIDOM, HAROLD; *COMPLEX ANALYSIS* (*P024181 001*); 12 MONTHS $9,800

RINGEL, GERHARD; *GRAPHS ON SURFACES* (*P031436 X00*); 12 MONTHS $12,200

MAHOWALD, MARK, AND BARRATT, MICHAEL; *ALGEBRAIC TOPOLOGY* (*P085335 001*); 12 MONTHS $15,300

SACKS, JEROME; *PROBABILITY AND STATISTICS* (*P028576 001*); 12 MONTHS $17,000

EVENS, LEONARD, MATLIS, EBEN, ZELINSKY, DANIEL, AND MOUNT, KENNETH; *ALGEBRA AND ALGEBRAIC GEOMETRY* (*P028915 001*); 12 MONTHS $76,500

EVENS, LEONARD, MATLIS, EBEN, ZELINSKY, DANIEL, AND MOUNT, KENNETH; *ALGEBRA AND ALGEBRAIC GEOMETRY* (*P028915 002*); $6,600

STAKGOLD, IVAR, AND OLMSTEAD, WILLIAM E; *NONLINEAR BOUNDARY VALUE PROBLEMS* (*P029508 001*); 12 MONTHS $13,200

BOAS, R P; *REAL AND COMPLEX ANALYSIS* (*P032116*); 12 MONTHS $42,000

UNIVERSITY OF CHICAGO

BAILY, WALTER L JR; *ALGEBRAIC PROBLEMS IN AUTOMORPHIC FORMS AND PROPERTIES OF FAMILIES OF HOLOMORPHIC FUNCTIONS* (*P019350 002*); 12 MONTHS $20,600

LEBOVITZ, NORMAN R; *STRUCTURE AND STABILITY OF ROTATING FLUID MASSES* (*P022584 001*); 24 MONTHS $34,500

BROWDER, FELIX E; *PARTIAL DIFFERENTIAL EQUATIONS AND NONLINEAR FUNCTIONAL ANALYSIS* (*P028148 001*); 12 MONTHS $50,000

ZYGMUND, ANTONI; *MATHEMATICAL ANALYSIS* (*P028271 001*); 12 MONTHS $55,000

KAPLANSKY, IRVING; *GROUPS, RINGS, AND HOMOLOGICAL ALGEBRA* (*P028700 001*); 12 MONTHS $60,000

LASHOF, RICHARD K; *DIFFERENTIAL TOPOLOGY, COBORDISM, HOMOTOPY THEORY AND ALGEBRAIC K-THEORY* (*P029075 001*); $12,600

LASHOF, RICHARD K; *GEOMETRIC TOPOLOGY, ALGEBRAIC TOPOLOGY AND ALGEBRAIC K-THEORY* (*P029075 002*); 12 MONTHS $44,000

HERSTEIN, I N; *RING THEORY* (*P029269 001*); 12 MONTHS $6,000

ALBERT, A A; *LINEAR ALGEBRA* (*P030242*); 12 MONTHS $12,000

MAC LANE, SAUNDERS; *ALGEBRAIC PROBLEMS IN AUTOMORPHIC FORMS AND PROPERTIES OF FAMILIES OF HOLOMORPHIC FUNCTIONS* (*P031246 X00*); 12 MONTHS $17,000

MEIER, PAUL, AND KRUSKAL, WILLIAM H; *MATHEMATICAL STATISTICS AND PROBABILITY* (*P032037 X00*); 12 MONTHS $85,200

REID, WILLIAM H; *APPLIED MATHEMATICS* (*P033131 X00*); 12 MONTHS $17,300

ALPERIN, JONATHAN L; *SYMPOSIUM ON FINITE GROUPS* (*P034325*); 12 MONTHS $14,600

UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE

SOARE, ROBERT I, AND HAY, LOUISE; *RECURSIVE FUNCTION THEORY* (*P019958 001*); 12 MONTHS $5,800

BLACKBURN, NORMAN; *NILPOTENT AND FINITE GROUPS* (*P028420 001*); 9 MONTHS $17,400

BLACKBURN, NORMAN, AND ITO, NOBORU; *ALGEBRA* (*P028420 002*); 12 MONTHS $68,500

GUGENHEIM, VICTOR K A M; *TOPOLOGY AND GEOMETRY* (*P028487 001*); 12 MONTHS $36,900

HARRIS, MORTON E; *CLASSIFICATION OF SIMPLE GROUPS* (*P030511*); 12 MONTHS $10,400

TWERSKY, VICTOR; *MANY-BODY THEORY, MATHEMATICAL BIOPHYSICS, AND ASYMPTOTIC METHODS* (*P033368 X00*); 12 MONTHS $45,000

ATKIN, ARTHUR O L; *CONGRUENCE PROPERTIES OF MODULAR FORMS* (*P033668*); 12 MONTHS $11,000

FONG, PAUL; *RESEARCH IN GROUP THEORY* (*P034626*); 12 MONTHS $6,400

UNIVERSITY OF ILLINOIS AT URBANA

JERRARD, RICHARD P; *DIFFERENTIAL GEOMETRY* (*P022929 001*); 6 MONTHS $1,500

JERRARD, RICHARD P; *DIFFERENTIAL GEOMETRY* (*P022929 002*); 6 MONTHS $2,500

BLYTH, COLIN R; *STATISTICS* (*P028154 001*); 12 MONTHS $45,100

DOOB, J L; *PROBABILITY AND RELATED PARTS OF ANALYSIS* (*P028573 X01*); 12 MONTHS $45,600

BARTLE, ROBERT G; *FUNCTIONAL ANALYSIS* (*P028577 001*); 12 MONTHS $60,000

BATEMAN, PAUL T, AND REINER, IRVING; *ALGEBRA AND NUMBER THEORY* (*P028920 001*); 12 MONTHS $54,000

BOONE, WILLIAM W; *LOGIC AND GROUP THEORY* (*P029223 001*); $17,500

BOONE, W W; *LOGIC AND GROUP THEORY* (*P029223 002*); 12 MONTHS $18,900

CAIRNS, STEWART S; *GEOMETRIC AND DIFFERENTIAL TOPOLOGY OF MANIFOLDS* (*P029397 001*); $17,400

SUZUKI, MICHIO, AND WALTER, JOHN H; *GROUP THEORY* (*P033137*); 12 MONTHS $34,000

GRAY, JOHN W; *CATEGORY THEORY* (*P033143*); 12 MONTHS $9,100

TING, T W; *APPLIED MATHEMATICS* (*P033174 X00*); 12 MONTHS $19,300

RUBEL, L A; *APPROXIMATION THEORY AND COMPLEX ANALYSIS* (*P033841*); 12 MONTHS $12,000

HAKEN, WOLFGANG; *GEOMETRIC TOPOLOGY OF MANIFOLDS* (*P034123*); 12 MONTHS $8,700

CHEN, KUO-TSAI; *ITERATED INTEGRATION OF DIFFERENTIAL FORMS* (*P034257*); 12 MONTHS $10,100

OSBORN, HOWARD; *DIFFERENTIAL GEOMETRY IN PIECEWISE LINEAR TOPOLOGY* (*P034321*); 12 MONTHS $10,100

BISHOP, R L, AND GOLDBERG, S I; *DIFFERENTIAL GEOMETRY* (*P034481*); 12 MONTHS $7,500

INDIANA

BALL STATE UNIVERSITY

BEEKMAN, JOHN A; *STOCHASTIC PROCESSES* (*P029005 001*); 12 MONTHS $8,300

INDIANA UNIVERSITY, BLOOMINGTON

SHERMAN, SEYMOUR; *MATHEMATICS OF PHASE TRANSITIONS* (*P007469 001*); 12 MONTHS $20,000

AZUMAYA, GORO; *HOMOLOGICAL INVESTIGATIONS ON RINGS AND MODULES* (*P020434 001*); 12 MONTHS $9,300

HALMOS, PAUL R; *OPERATOR THEORY* (*P028854 X01*); 12 MONTHS $20,800

BROWN, ARLEN; *OPERATORS IN HILBERT SPACE AND BANACH SPACE* (*P028601 001*); 12 MONTHS $31,600

STAMPFLI, JOSEPH G; *SPECTRAL RESOLUTIONS AND DERIVATIONS ON OPERATOR ALGEBRAS* (*P029006 001*); 12 MONTHS $8,800

MASANI, P R; *SOME ANALYTIC AND STOCHASTIC PROBLEMS SUGGESTED BY COMMUNICATION THEORY* (*P031497 X00*); 12 MONTHS $13,500

PURI, MADAN L; *MATHEMATICAL TECHNIQUES IN STATISTICS* (*P032822 X00*); 12 MONTHS $28,600

FISHER, EDWARD; *BOOLEAN-VALUED MODEL THEORY AND THE ELEMENTARY THEORY OF MODULES* (*P032908*); 12 MONTHS $5,000

SCHOBER, GLENN; *GEOMETRIC THEORY OF FUNCTIONS* (*P033024*); 12 MONTHS $5,500

LOWENGRUB, MORTON, AND SNEDDON, IAN N; *MIXED BOUNDARY VALUE PROBLEMS IN ELASTICITY* (*P033225 X00*); 12 MONTHS $17,500

ZIEMER, WILLIAM P; *GEOMETRIC ANALYSIS* (*P033547*); 12 MONTHS $19,100

ATKINSON, KENDALL, AND MAKI, DANIEL; *APPROXIMATION THEORY AND APPLICATIONS* (*P033584*); 12 MONTHS $12,400

BENNETT, GRAHAME; *FUNCTIONAL ANALYSIS AND SUMMABILITY THEORY* (*P033694*); 12 MONTHS $4,900

HALPERN, BENJAMIN; *COINCIDENCE THEORY- ISOMETRIC HOMOTOPY* (*P033756*); 12 MONTHS $7,000

PURDUE UNIVERSITY

HUNT, RICHARD; *CONVERGENCE OF FOURIER SERIES AND RELATED PROBLEMS* (*P018831 001*); 12 MONTHS $10,000

SCHULTZ, REINHARD; *GROUP ACTIONS ON HOMOTOPY SPHERES* (*P019530 001*); 12 MONTHS $6,200

ZACHMANOGLOU, EFEFTHERIOS; *PROPAGATION OF ZEROES OF SOLUTIONS OF LINEAR PARTIAL DIFFERENTIAL EQUATIONS* (*P020547 001*); 12 MONTHS $7,600

ROBERTS, JOEL; *GENERIC PROJECTIONS AND LOCALLY STABLE MAPS OF ALGEBRAIC VARIETIES* (*P020550 001*); 24 MONTHS $10,600

MACLANE, GERALD R, AND WEITSMAN, ALLEN; *COMPLEX ANALYSIS* (*P027629 001*); 12 MONTHS $12,300

ABHYANKAR, SHREERAM; *TOPICS IN ALGEBRA AND ALGEBRAIC GEOMETRY* (*P029326 001*); 12 MONTHS $29,000

GOTTLIEB, DANIEL H; *EVALUATION MAP IN TOPOLOGY* (*P029465 X01*); 12 MONTHS $7,600

WANG, JOHN S; *DISCRETE SUBGROUPS OF LIE GROUPS* (*P029466 X01*); 12 MONTHS $6,500

LIN, TSAU-YOUNG; *PROBLEMS IN STABLE HOMOTOPY THEORY* (*P029533 001*); 12 MONTHS $5,400

MULLIKIN, THOMAS; *SOME ANALYTICAL INVESTIGATIONS IN RADIATIVE TRANSFER AND TRAFFIC FLOW* (*P030350*); 12 MONTHS $18,400

THOE, DALE; *SCATTERING THEORY FOR PERTURBATIONS OF - DELTA* (*P032261*); 24 MONTHS $14,500

RICE, JOHN R; *NONLINEAR APPROXIMATION* (*P032940 X00*); 12 MONTHS $19,800

BERKOVITZ, LEONARD D; *OPTIMAL CONTROL AND FUNCTIONAL DIFFERENTIAL EQUATIONS* (*P033551 X00*); 12 MONTHS $19,800

STUDDEN, WILLIAM J; *OPTIMAL EXPERIMENTAL DESIGNS* (*P033552 X00*); 12 MONTHS $10,500

PRICE, JUSTIN J; *QUESTIONS ON ORTHONORMAL SETS* (*P034056*); 12 MONTHS $7,400

BECKER, JAMES C; *HOMOTOPY THEORY OF VECTOR BUNDLES* (*P034197*); 12 MONTHS $6,600

UNIVERSITY OF NOTRE DAME

STOLL, WILHELM; *SEVERAL COMPLEX VARIABLES* (*P020139 002*); 12 MONTHS $32,000

O'MEARA, O T; *MATHEMATICAL ALGEBRA* (*P029496 X01*); 12 MONTHS $47,600

MATSUSHIMA, YOZO, AND NAGANO, TADASHI; *LIE GROUPS AND DIFFERENTIAL GEOMETRY* (*P029662 001*); 12 MONTHS $36,100

CONNOLLY, FRANCIS X; *GEOMETRIC TOPOLOGY* (*P034148*); 12 MONTHS $5,600

IOWA

IOWA STATE UNIVERSITY OF SCIENCE & TECHNOLOGY

KEMPTHORNE, OSCAR, AND ZYSKIND, GEORGE; *LINEAR MODELS AND ANALYSIS OF VARIANCE RESEARCH PROCEDURES* (*P024614 001*); 12 MONTHS $32,800

DICKSON, SPENCER E; *STRUCTURE PROBLEMS IN THE THEORY OF RINGS AND MODULES* (*P029027 X01*); 12 MONTHS $7,500

MILLER, RICHARD K; *VOLTERRA INTEGRAL AND INTEGRODIFFERENTIAL EQUATIONS* (*P031184 X00*); 12 MONTHS $7,900

UNIVERSITY OF IOWA

KIRK, WILLIAM A; *FIXED POINT THEORY IN FUNCTIONAL ANALYSIS* (*P018045 001*); 24 MONTHS $15,800

FULLER, KENT R; *A PROJECT ON RINGS AND MODULES* (*P018828 001*); 12 MONTHS $5,900

WALTMAN, PAUL; *TWO POINT BOUNDARY VALUE PROBLEMS* (*P019071 002*); 12 MONTHS $7,700

MUHLY, PAUL S; *FUNCTION ALGEBRAS AND FLOWS* (*P028445 001*); 24 MONTHS $12,000

PRICE, THOMAS M; *KNOTTED EMBEDDINGS IN CODIMENSION TWO* (*P029430 001*); 12 MONTHS $18,000

HOGG, ROBERT V, AND LEONE, FRED C; *ESTIMATION OF DISTRIBUTIONS AND DISTRIBUTION CHARACTERISTICS AND RELATED MULTIPLE DECISIONS* (*P030966 X00*); 12 MONTHS $58,500

KLEINFELD, ERWIN; *ALGEBRA AND FOUNDATIONS OF PROJECTIVE PLANES* (*P032898 X00*); 12 MONTHS $9,900

KANSAS

KANSAS STATE UNIVERSITY

GREECHIE, RICHARD J; *COMBINATORICS AND QUANTUM LOGIC* (*P011241 001*); 12 MONTHS $6,600

UNIVERSITY OF KANSAS

ARONSZAJN, N; *DIFFERENTIAL PROBLEMS AND FUNCTIONAL ANALYSIS* (*P016292 002*); 12 MONTHS $46,600

MOYER, ROBERT D; *SOLVABILITY OF DIFFERENTIAL EQUATIONS AND INDEX THEORY* (*P028541 001*); 12 MONTHS $6,200

CONRAD, PAUL F; *PARTIALLY ORDERED GROUPS AND RINGS, AND FLATNESS OVER COMMUTATIVE RINGS* (*P029121 001*); 12 MONTHS $10,000

MOSTERT, PAUL S; *TOPOLOGICAL ALGEBRA* (*P029542 001*); 12 MONTHS $9,000

HORNELL, JAMES M; *COMMUTATIVE RINGS, AND ALGEBRAIC GEOMETRY* (*P032836*); 12 MONTHS $5,200

BREWER, JAMES W, AND RUTTER, EDGAR A; *CONFERENCE ON COMMUTATIVE ALGEBRA* (*P033192*); 12 MONTHS $12,250

KENTUCKY

UNIVERSITY OF KENTUCKY

WETS, ROGER; *STOCHASTIC PROGRAMMING* (*P031551*); 24 MONTHS $28,600

ARON, RICHARD MARTIN, AND HARRIS, LAWRENCE A; *INFINITE DIMENSIONAL HOLOMORPHY* (*P033117*); 12 MONTHS $9,800

JOHNSON, DAVID C; *PROJECTIVE DIMENSION OF LOCALIZED COMPLEX BORDISM MODULES* (*P033882*); 12 MONTHS $4,700

BRENNAN, JAMES E; *INVARIANT SUBSPACES AND APPROXIMATION IN THE MEAN BY ANALYTIC FUNCTIONS* (*P034625*); 12 MONTHS $4,800

LOUISIANA

GRAMBLING COLLEGE

AGARWAL, ARUN K; *COSIP-D RESEARCH INITIATION - MATHEMATICAL ANALYSIS* (*P023853*); 12 MONTHS $12,000

LOUISIANA STATE UNIVERSITY, BATON ROUGE

ROSELLE, DAVID P; *SOME PROBLEMS IN ENUMERATIVE COMBINATORIAL ANALYSIS* (*P019207 001*); 12 MONTHS $7,100

COLLINS, H S; *C*ALGEBRAS, DOUBLE CENTRALIZER ALGEBRAS, AND GENERALIZED TOPOLOGICAL MEASURE THEORY* (*P020866 001*); 12 MONTHS $8,400

DORROH, J R; *SEMI-GROUPS OF NONLINEAR TRANSFORMATIONS AND FUNCTIONAL ANALYSIS* (*P028512 001*); 12 MONTHS $7,400

OHM, JACK E; *ALGEBRAIC GEOMETRY* (*P029104 001*); $13,400

OHM, JACK E; *ALGEBRAIC GEOMETRY* (*P029104 002*); 12 MONTHS $7,300

PALL, GORDON; *QUADRATIC AND CUBIC FORMS, IDEALS AND MODULES* (*P029105 X01*); 12 MONTHS $10,500

KOCH, ROBERT J; *TOPOLOGICAL SEMIGROUPS* (*P029464 X01*); 12 MONTHS $20,000

PORCELLI, PASQUALE; *OPERATORS ON A HILBERT SPACE* (*P030284*); 12 MONTHS $15,100

MCGEHEE, O CARRUTH; *FOURIER ANALYSIS* (*P033583*); 12 MONTHS $5,700

CONNER, PIERRE E JR; *RESEARCH IN TRANSFORMATION GROUPS ON ASPHERICAL MANIFOLDS* (*P034054*); 12 MONTHS $8,500

RETHERFORD, J R; *THE FINITE DIMENSIONAL AND GEOMETRICAL STRUCTURE OF BANACH SPACES, NUCLEAR AND LP OPERATORS* (*P034193*); 12 MONTHS $11,500

HOOVER, THOMAS B; *OPERATOR THEORY* (*P034525*); 12 MONTHS $4,200

ANDERSON, R D; *INFINITE-DIMENSIONAL TOPOLOGY* (*P034635 X00*); 12 MONTHS $26,500

TULANE UNIVERSITY

BIRTEL, FRANK T, AND QUIGLEY, FRANK D; *UNIFORM ALGEBRAS AND SEVERAL COMPLEX VARIABLES* (*P019885 002*); 12 MONTHS $25,200

HOFMANN, KARL H, AND DAUNS, JOHN; *TOPOLOGICAL ALGEBRA* (*P028655 001*); 12 MONTHS $27,400

FUCHS, LASZLO, BENARD, MARK, AND GRILLET, P; *GROUPS AND SEMIGROUPS* (*P029437 001*); 12 MONTHS $22,300

LAI, HON-FEI; *SINGULARITIES OF IMMERSIONS AND FLOWS* (*P029707 001*); 12 MONTHS $4,700

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JOHNS HOPKINS UNIVERSITY

BOARDMAN, J M; *ALGEBRAIC TOPOLOGY* (*P019481 001*); 12 MONTHS $7,500

SCHACH, SIEGFRIED; *METHODS OF STATISTICAL INFERENCE* (*P020527 001*); 6 MONTHS $8,400

ONO, TAKASHI; *ARITHMETIC PROPERTIES OF ALGEBRAIC VARIETIES* (*P026420 001*); 24 MONTHS $31,700

HARTMAN, PHILIP; *EXISTENCE AND PROPERTIES OF SOLUTIONS OF DIFFERENTIAL EQUATIONS* (*P030483*); 12 MONTHS $12,800

SHALIKA, JOSEPH; *DISCRETE SERIES OF P-ADIC GROUPS* (*P031348*); 24 MONTHS $14,900

TRUESDELL, CLIFFORD A; *RATIONAL THERMOMECHANICS OF MATERIALS* (*P032117 X00*); 12 MONTHS $43,900

GROSSHANS, FRANK D; *OBSERVABLE GROUPS AND HILBERT'S FOURTEENTH PROBLEM* (*P032395*); 12 MONTHS $5,200

IGUSA, JUN-ICHI; *MODULI AND AUTOMORPHIC FUNCTIONS* (*P033678 X00*); 12 MONTHS $12,000

HORN, ROGER A; *SEMIGROUPS IN ANALYSIS AND PROBABILITY* (*P034638*); 12 MONTHS $7,100

UNIVERSITY OF MARYLAND, BALTIMORE COUNTY

AZIZ, ABDUL K; *REGIONAL CONFERENCE ON CONTROL THEORY OF PARTIAL DIFFERENTIAL EQUATIONS* (*P030307*); 12 MONTHS $8,800

UNIVERSITY OF MARYLAND, COLLEGE PARK

BERG, KENNETH R; *ERGODIC THEORY* (*P020294 001*); 12 MONTHS $6,000

KELLOGG, R B, AND KARLOVITZ, L A; *APPROXIMATE METHODS FOR SOLVING FUNCTIONAL EQUATIONS* (*P020555 001*); 12 MONTHS $21,500

KELLOGG, R BRUCE, AND KARLOVITZ, L A; *SOLUTIONS OF EQUATIONS IN BANACH SPACES AND RELATED STRUCTURAL PROBLEMS* (*P020555 002*); 12 MONTHS $13,400

GREENBERG, LEON; *DISCRETE GROUPS* (*P028217 001*); 12 MONTHS $9,300

LAY, DAVID; *SPECTRAL THEORY AND EIGENVALUE PROBLEMS* (*P028657 001*); 12 MONTHS $5,500

HUMMEL, JAMES A, AND ZEDEK, MISHAEL; *GEOMETRIC FUNCTION THEORY* (*P028970 001*); 12 MONTHS $15,800

HUMMEL, JAMES A, AND ZEDEK, MISHAEL; *GEOMETRIC FUNCTION THEORY* (*P028970 002*); 12 MONTHS $28,800

AUSLANDER, J; *DIFFERENTIAL EQUATIONS AND DYNAMICAL SYSTEMS* (*P029271 001*); 12 MONTHS $22,500

HORVATH, JOHN M; *AN INTERNATIONAL CONFERENCE ON HARMONIC ANALYSIS* (*P030972*); 18 MONTHS $25,700

JONES, G S, AND YORKE, J A; *CONTROL, STABILITY AND HEREDITARY DEPENDENCE FOR GENERALIZED DYNAMICAL PROCESSES* (*P031386 X00*); 12 MONTHS $42,700

KUBOTA, TOMIO; *THEORY OF NUMBERS* (*P031820 X00*); 12 MONTHS $29,500

OLVER, FRANK W J; *ASYMPTOTIC APPROXIMATIONS* (*P032841 X00*); 12 MONTHS $10,200

LEHNER, JOSEPH; *DISCRETE GROUPS AND AUTOMORPHIC FUNCTIONS* (*P032896*); 12 MONTHS $8,900

LIPSMAN, RONALD L; *GROUP EXTENSIONS AND THE PLANCHEREL FORMULA* (*P033039*); 12 MONTHS $6,700

ALEXANDER, JAMES; *SYMPLECTIC COBORDISM* (*P034004*); 12 MONTHS $5,000

KARP, C; *INFINITARY LANGUAGES* (*P034033*); 12 MONTHS $20,000

HEMPERLY, JOHN C; *AUTOMORPHIC FORMS AND THE INDEX THEOREM* (*P034484*); 12 MONTHS $4,500

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BOSTON COLLEGE

MARGOLIS, HARVEY R; *STEENROD ALGEBRA WITH APPLICATION TO ALGEBRAIC TOPOLOGY* (*P028565 001*); 12 MONTHS $5,000

BRANDEIS UNIVERSITY

BROWN, EDGAR H JR; *KNOT THEORY AND OTHER TOPICS IN ALGEBRAIC TOPOLOGY* (*P028938 001*); 12 MONTHS $24,000

BUCHSBAUM, DAVID A; *COMPUTER APPLICATIONS IN ALGEBRA AND TOPOLOGY* (*P031503**); 12 MONTHS $9,900

MATSUSAKA, TERUHISA; *ALGEBRA AND ALGEBRAIC GEOMETRY* (*P033406 X00*); 12 MONTHS $64,400

CLARK UNIVERSITY

KILMOYER, ROBERT W; *COMPLEX REPRESENTATIONS OF FINITE GROUPS WITH A (BN)-PAIR* (*P033118*); 12 MONTHS $5,400

SRINIVASAN, BHAMA; *PROBLEMS ON CHARACTERS OF FINITE GROUPS OF LIE TYPE* (*P034258*); 24 MONTHS $11,400

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PRATT, JOHN W; *AN INTERNATIONAL SYMPOSIUM ON STATISTICAL ASPECTS OF POLLUTION PROBLEMS* (*P030666*); 12 MONTHS $35,400

BRAUER, RICHARD D; *GROUP THEORY AND OTHER BRANCHES OF ALGEBRA* (*P030809 X00*); 12 MONTHS $20,000

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STERNBERG, SHLOMO; *TOPOLOGY AND GEOMETRY* (*P031359 X00*); 12 MONTHS $95,900

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SINGER, I M; *GEOMETRY AND ANALYSIS ON MANIFOLDS* (*P022927 001*); 12 MONTHS $103,300

STRANG, W G, AND HELGASON, S; *MATHEMATICAL ANALYSIS* (*P022928 001*); 12 MONTHS $80,600

HOFFMAN, KENNETH M; *THEORY* (*F022930 001*); 12 MONTHS $22,000

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PETERSON, F P; *ALGEBRAIC TOPOLOGY* (*P028682 001*); 12 MONTHS $35,000

KLEIMAN, STEVEN; *ALGEBRAIC GEOMETRY* (*P028936 001*); 12 MONTHS $60,000

KOSTANT, BERTRAM; *REPRESENTATION THEORY AND TOPOLOGY AND NUMBER THEORY* (*P028969 001*); 12 MONTHS $25,000

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LIEB, ELLIOTT; *STATISTICAL MECHANICS, MATHEMATICS AND THE QUANTUM AND CLASSICAL MANY BODY PROBLEM* (*P031674 X00*); 12 MONTHS $29,100

LIN, C C, AND TOOMRE, ALAR; *DYNAMICS OF GALAXIES* (*P034323 X00*); 12 MONTHS $70,000

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CENKL, BOHUMIL; *GLOBAL SOLUTIONS OF LINEAR PARTIAL DIFFERENTIAL EQUATIONS* (*P016354 001*); 12 MONTHS $5,000

STOLZENBERG, GABRIEL; *CONSTRUCTIVE MATHEMATICS* (*P019767 002*); 24 MONTHS $13,500

HAJIAN, ARSHAG B; *ERGODIC THEORY* (*P028738 001*); 12 MONTHS $8,800

KOPELL, NANCY; *MATHEMATICAL PROBLEMS OF SYMMETRY-BREAKING* (*P033549*); 12 MONTHS $5,800

RASALA, RICHARD; *FIELD THEORY AND GROUP THEORY* (*P033835*); 24 MONTHS $16,300

WARGA, JACK; *MATHEMATICAL THEORY OF OPTIMAL CONTROL* (*P034189*); 12 MONTHS $10,300

WILS, WILBERT I; *LOCALIZATION FOR PARTICLES IN A RANDOM POTENTIAL* (*P034387*); 12 MONTHS $5,900

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REYNOLDS, WILLIAM F; *MODULAR REPRESENTATIONS OF FINITE GROUPS* (*P019661 002*); 12 MONTHS $7,000

HOLME, AUDUN; *EMBEDDING AND PROJECTION THEOREMS* (*P029026 X01*); 12 MONTHS $4,800

UNIVERSITY OF MASSACHUSETTS, AMHERST

MARTINDALE, WALLACE S III; *RINGS WITHOUT FINITE CONDITIONS* (*P012090 002*); 36 MONTHS $7,500

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SCHWEIZER, BERTHOLD; *MULTIPLICATIONS ON THE SPACE OF PROBABILITY DISTRIBUTION FUNCTIONS AND RELATED TOPICS* (*P022515 001*); 12 MONTHS $8,000

HAYES, DAVID R; *ALMOST PERIODIC FUNCTIONS AND ADDITIVE NUMBER THEORY* (*P029103 001*); 12 MONTHS $7,200

MANN, LARRY C, AND SU, JON C; *DIFFERENTIABLE TRANSFORMATION GROUPS* (*P029664 001*); 12 MONTHS $33,200

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JONES, STEPHEN L; *IMPROVING MAPPINGS ON PL N-MANIFOLDS* (*P034000*); 12 MONTHS $6,300

KU, HSU-TUNG; *DIFFERENTIABLE TRANSFORMATION GROUPS* (*P034055*); 12 MONTHS $6,500

HOROWITZ, JOSEPH, AND GERMAN, DONALD; *TIME-CONDITIONING OF RANDOM PROCESSES* (*P034485*); 12 MONTHS $9,600

MICHIGAN

MICHIGAN STATE UNIVERSITY

PALMER, E M; *GRAPHICAL ENUMERATION AND ITS APPLICATIONS III* (*P019292 001*); 12 MONTHS $6,200

SALEHI, HABIB, AND MANDREKAR, V; *MULTIVARIATE PREDICTION THEORY* (*P028658 001*); 12 MONTHS $12,600

KWUN, KYUNG W; *MANIFOLDS AND HOMOTOPY THEORY* (*P029515 X01*); 12 MONTHS $11,000

KWUN, K W; *INVOLUTIONS AND TRANSFER HOMOMORPHISMS OF WHITEHEAD GROUPS* (*P030808*); 12 MONTHS $18,600

KATZ, LEO; *MATHEMATICAL STATISTICS AND PROBABILITY THEORY* (*P031123 X00*); 12 MONTHS $38,200

MARTIN, CHARLES J; *REGIONAL CONFERENCE ON MATHEMATICAL PROBLEMS IN THE BIOLOGICAL SCIENCES* (*P033588*); 12 MONTHS $7,600

HANNAN, JAMES F, AND GILLILAND, DENNIS C; *APPROXIMATION TO BAYES RISK IN SEQUENCES AND SETS OF DECISION PROBLEMS* (*P033677 X00*); 12 MONTHS $16,900

SHAPIRO, J H; *FUNCTIONAL ANALYSIS IN NON-LOCALLY CONVEX LINEAR METRIC SPACES* (*P033695*); 12 MONTHS $5,000

OAKLAND UNIVERSITY

DEVORE, RONALD A; *DEGREE OF APPROXIMATION BY LINEAR OPERATORS* (*P019620 001*); 24 MONTHS $14,500

BRAGG, LOUIS RICHARD, AND DETTMAN, JOHN W; *RELATED PARTIAL DIFFERENTIAL EQUATIONS, ASSOCIATED FUNCTION SPACES, AND SEMI-GROUPS* (*P032393*); 12 MONTHS $18,900

FROEMKE, JON; *PRIMAL ALGEBRAS AND THEIR GENERALIZATIONS* (*P033540*); 12 MONTHS $6,300

UNIVERSITY OF MICHIGAN

PEARCY, CARL M JR; *OPERATORS ON HILBERT SPACE* (*P018903 002*); 12 MONTHS $18,000

SHIELDS, ALLEN L; *COMPLEX ANALYSIS* (*P028115 001*); 12 MONTHS $41,600

WENDEL, JAMES G; *STOCHASTIC PROCESSES AND MARKOV CHAINS* (*P028877 001*); 12 MONTHS $21,700

LEWIS, DONALD J; *NUMBER THEORY AND ARITHMETIC GEOMETRY* (*P029043 X01*); 12 MONTHS $50,000

BROWN, MORTON; *GEOMETRIC TOPOLOGY* (*P029110 001*); 12 MONTHS $30,000

LYNDON, ROGER C; *ALGEBRA AND LOGIC* (*P029436 001*); $21,600

LYNDON, ROGER C; *ALGEBRA AND LOGIC* (*P029436 002*); 12 MONTHS $50,000

RAYMOND, FRANK; *MATHEMATICAL TOPOLOGY* (*P029535 X01*); 12 MONTHS $30,000

RAUCH, JEFFREY B, AND TAYLOR, MICHAEL E; *WAVE PROPAGATION FOR MIXED PROBLEMS* (*P034260*); 12 MONTHS $10,500

TAYLOR, B ALAN, AND SHAPIRO, H S; *REAL AND COMPLEX ANALYSIS* (*P034741*); 12 MONTHS $14,900

WAYNE STATE UNIVERSITY

BROWN, LEON, AND ITO, TAKASHI; *FUNCTIONAL AND HARMONIC ANALYSIS* (*P020150 001*); $6,300

MINNESOTA

CARLETON COLLEGE

KIRCHNER, ROGER B; *REGIONAL CONFERENCE ON DECIDABLE AND UNDECIDABLE PROBLEMS IN MATHEMATICS AND SET THEORY* (*P033572*); 12 MONTHS $7,300

UNIVERSITY OF MINNESOTA

RICHTER, WAYNE H; *THEORY OF INDUCTIVE DEFINITIONS* (*P020846 001*); 12 MONTHS $6,300

WEINBERGER, HANS F; *ANALYSIS AND APPLIED MATHEMATICS* (*P027275 001*); 12 MONTHS $72,000

STORVICK, DAVID A; *MATHEMATICAL ANALYSIS* (*P028732 001*); 12 MONTHS $19,900

SOBEL, MILTON; *DECISION THEORY AND APPLICATIONS TO RANKING AND SELECTION PROBLEMS* (*P028922 X01*); 12 MONTHS $25,200

MCCARTHY, CHARLES A; *CONCRETE OPERATOR THEORY AND HARMONIC ANALYSIS* (*P028933 001*); 12 MONTHS $22,500

EAGON, JOHN A, AND SAGLE, ARTHUR A; *ALGEBRA* (*P029224 X01*); 12 MONTHS $6,200

EAGON, JOHN A, AND EAGON, JOHN; *ALGEBRA* (*P029224 X02*); 12 MONTHS $47,700

AEPPLI, ALFRED; *DYNAMICS AND TOPOLOGY* (*P029321 001*); $2,700

KALLIANPUR, GOPINATH, AND STRIEBEL, CHARLOTTE; *STOCHASTIC PROCESSES AND THE THEORY OF STOCHASTIC DIFFERENTIAL EQUATIONS IN ESTIMATION AND CONTROL* (*P030694 X00*); 12 MONTHS $37,000

GERSHENSON, HILLEL, AND KAHN, DONALD W; *ALGEBRAIC TOPOLOGY* (*P034021*); 12 MONTHS $16,300

EATON, MORRIS L, AND PERLMAN, MICHAEL D; *MULTIVARIATE AND LARGE SAMPLE STATISTICAL INFERENCE* (*P034482*); 12 MONTHS $13,500

UNIVERSITY OF MINNESOTA-INSTITUTE OF TECHNOLOGY

FABES, E B, AND RIVIERE, N M; *MATHEMATICAL ANALYSIS (P015832 001)*; 12 MONTHS $18,400

CHACON, RAFAEL, AND PURITT, WILLIAM; *PROBABILITY, ERGODIC THEORY, AND COMBINATORIAL THEORY (P028683 001)*; 12 MONTHS $62,200

GIL DE LAMADRID, J; *REPRESENTATION THEORY AND HARMONIC ANALYSIS (P028739 001)*; 12 MONTHS $25,600

POHL, WILLIAM F; *DIFFERENTIAL GEOMETRY AND TOPOLOGY (P029321 002)*; 12 MONTHS $18,000

ELLIS, ROBERT; *TOPOLOGICAL DYNAMICS (P032306 X00)*; 12 MONTHS $24,000

POUR-EL, MARIAN B, AND ENGELER, ERWIN; *MATHEMATICAL LOGIC (P034192)*; 12 MONTHS $8,800

MISSOURI

UNIVERSITY OF MISSOURI, COLUMBIA

CARLSON, DAVID H; *EXTENSIONS OF DYNAMICAL SYSTEMS (P032901)*; 12 MONTHS $5,000

JACOBS, MARC Q; *OPTIMUM SETTLING PROBLEMS FOR TIME LAG SYSTEMS (P033882)*; 12 MONTHS $6,600

UNIVERSITY OF MISSOURI, ST LOUIS

WELLAND, GRANT V; *SOME PROBLEMS OF CLASSICAL HARMONIC ANALYSIS (P034630)*; 12 MONTHS $6,200

WASHINGTON UNIVERSITY

JENKINS, JAMES A; *GEOMETRIC FUNCTION THEORY (P029260 001)*; 12 MONTHS $10,000

HIRSCHMAN, ISIDORE I JR, AND NUSS[illegible]UM, A EDWARD; *TOEPLITZ, WIENER-HOPF, AND UNBOUNDED OPERATORS (P032419 X00)*; 12 MONTHS $25,700

HAIMO, FRANKLIN; *GROUPS AND RINGS (P032837)*; 12 MONTHS $7,000

ROCHBERG, RICHARD H; *LINEAR STRUCTURE OF FUNCTION ALGEBRAS (P034628)*; 12 MONTHS $5,100

HANO, JUN-ICHI; *HOMOGENEOUS COMPLEX LINE BUNDLES WITH INVARIANT HERMITIAN INNER PRODUCT (P034710)*; 12 MONTHS $5,000

MONTANA

UNIVERSITY OF MONTANA

FISHER, MICHAEL J; *REGIONAL CONFERENCE ON HARMONIC ANALYSIS (P034066)*; 12 MONTHS $8,800

NEBRASKA

UNIVERSITY OF NEBRASKA AT LINCOLN

JACKSON, LLOYD K; *EXISTENCE AND UNIQUENESS OF SOLUTIONS OF BOUNDARY VALUE PROBLEMS FOR ORDINARY DIFFERENTIAL EQUATIONS (P034352)*; 12 MONTHS $7,700

NEW HAMPSHIRE

DARTMOUTH COLLEGE

SNELL, J LAURIE; *STOCHASTIC PROCESSES AND POTENTIAL THEORY (P015737 001)*; 12 MONTHS $24,400

GROSS, KENNETH I; *HARMONIC ANALYSIS (P022795 001)*; 12 MONTHS $12,500

CROWELL, RICHARD H; *TOPOLOGY OF KNOTS AND H-SPACES (P029076 001)*; 12 MONTHS $63,300

GROSS, KENNETH I; *REGIONAL CONFERENCE ON ANALYSIS ON LIE GROUPS AND HOMOGENEOUS SPACES (P030306)*; 12 MONTHS $2,400

BOGART, KENNETH P; *COMBINATORIAL ALGEBRA (P033671)*; 12 MONTHS $5,500

UNIVERSITY OF NEW HAMPSHIRE, DURHAM

NORDGREN, ERIC A, AND MOORE, BERRIEN III; *PROBLEMS IN OPERATOR THEORY (P014784 001)*; 12 MONTHS $9,000

VAN OSDOL, DONOVAN H; *ASPECTS OF BICOHOMOLOGY (P029067 001)*; 12 MONTHS $4,500

NEW JERSEY

INSTITUTE FOR ADVANCED STUDY

HARISH-CHANDRA, WHITNEY, HASSLER, AND MONTGOMERY, DEANE; *ALGEBRA, ANALYSIS, AND TOPOLOGY (P007952 003)*; 12 MONTHS $320,000

RAO, MALEMPATI M; *STOCHASTIC EQUATIONS, GENERALIZED RANDOM FIELDS, AND APPLICATIONS (P030672)*; 12 MONTHS $7,900

PRINCETON UNIVERSITY

SHIMURA, GORO, AND WASHNITZER, GERARD; *ANALYTIC AND ALGEBRAIC METHODS IN GEOMETRY AND NUMBER THEORY (P029045 001)*; 12 MONTHS $21,800

KOCHEN, SIMON; *MATHEMATICAL LOGIC (P029261 001)*; 12 MONTHS $13,900

GUNNING, ROBERT C; *TOPOLOGICAL METHODS IN COMPLEX ANALYSIS (P029267 001)*; $8,000

BROWDER, WILLIAM, AND STEENROD, NORMAN E; *MANIFOLDS AND ALGEBRAIC TOPOLOGY (P029528 001)*; $33,300

KOHN, J J; *CONFERENCE ON COMPLEX VARIABLES AND PARTIAL DIFFERENTIAL EQUATIONS (P031748)*; 12 MONTHS $8,700

KOHN, J J, AND SPENCER, D C; *PARTIAL DIFFERENTIAL EQUATIONS (P031917 X00)*; 12 MONTHS $74,400

NELSON, EDWARD, AND ALMGREN, FREDERICK J JR; *APPLICATIONS OF FUNCTIONAL ANALYSIS AND GEOMETRIC MEASURE THEORY (P033314 X00)*; 12 MONTHS $50,000

GUNNING, ROBERT C; *TOPOLOGICAL METHODS IN COMPLEX ANALYSIS (P033453 X00)*; 12 MONTHS $32,800

SHIMURA, GORO, AND WASHNITZER, GERARD; *ANALYTIC AND ALGEBRAIC METHODS IN GEOMETRY AND NUMBER THEORY (P033898 X00)*; 12 MONTHS $80,000

TROTTER, HALE F; *ALGEBRAIC COMPUTATIONS RELATED TO KNOT THEORY (P034001)*; 12 MONTHS $10,000

BROWDER, WILLIAM; *MANIFOLDS AND ALGEBRAIC TOPOLOGY (P03[illegible]4 X00)*; 12 MONTHS $90,900

RUTGERS UNIVERSITY

GUNDY, RICHARD F, AND DAVIS, BURGESS J; *PROBABILITY AND STATISTICS (P019222 001)*; 12 MONTHS $14,700

ELLIOTT, JOANNE; *APPLICATIONS OF DIRICHLET SPACES (P019751 001)*; 12 MONTHS $11,200

MUCKENHOUPT, BENJAMIN, AND WHEEDEN, RICHARD L; *WEIGHTED NORM INEQUALITIES FOR CLASSICAL OPERATORS (P020147 001)*; 12 MONTHS $15,100

PETRYSHYN, WALTER V; *NONLINEAR FUNCTIONAL ANALYSIS (P020228 002)*; 12 MONTHS $16,600

MITCHELL, BARRY, AND TIERNEY, MYLES; *APPLICATIONS OF CATEGORY THEORY TO LOGIC AND HOMOLOGICAL ALGEBRA (P020542 002)*; 12 MONTHS $19,000

LANDWEBER, PETER S; *COBORDISM THEORY (P021064 002)*; 12 MONTHS $7,200

TREVES, FRANCOIS; *LINEAR PARTIAL DIFFERENTIAL EQUATIONS (P027671)*; 12 MONTHS $16,900

PETRIE, TED; *EXISTENCE AND CLASSIFICATION OF ACTIONS OF COMPACT LIE GROUPS ON SMOOTH MANIFOLDS (P028256 001)*; 12 MONTHS $11,400

ELLENTUCK, ERIK, AND DCKKER, JACOB C E; *MATHEMATICAL LOGIC (P028348 001)*; 12 MONTHS $15,500

HOYT, WILLIAM L; *GENERALIZED AUTOMORPHIC FORMS AND ELLIPTIC SURFACES (P028734 001)*; 12 MONTHS $7,600

LEVIN, FRANK; *ALGEBRAICALLY CLOSED GROUPS (P029040 X01)*; 12 MONTHS $7,100

GORENSTEIN, DANIEL; *FINITE GROUP THEORY (P032319 X00*)*; 12 MONTHS $17,300

OSOFSKY, BARBARA L; *NON-COMMUTATIVE LOCALIZATION (P032734 X00)*; 12 MONTHS $4,500

RITTER, KLAUS; *NONLINEAR PROGRAMMING (P033033)*; 12 MONTHS $8,600

VASCONCELOS, WOLMER; *FLAT MODULES AND GORENSTEIN RINGS (P033133 X00)*; 12 MONTHS $6,100

WILSON, ROBERT L; *STRUCTURAL CHARACTERIZATION OF THE KNOWN FINITE DIMENSIONAL SIMPLE LIE ALGEBRAS OVER AN ALGEBRAICALLY CLOSED FIELD OF PRIME CHARACTERISTIC (P033226)*; 12 MONTHS $5,600

JOHNSON, KENNETH D; *LIE GROUPS AND SYMMETRIC SPACES (P033313)*; 12 MONTHS $6,000

GOODMAN, ROE; *COMPLEX HARMONIC ANALYSIS ON LIE GROUPS (P033567)*; 12 MONTHS $7,100

SHANESON, JULIUS L; *GEOMETRIC TOPOLOGY (P033881)*; 12 MONTHS $6,600

MASON, WILLIAM K; *SPACES OF HOMEOMORPHISMS AND HILBERT SPACE (P033943)*; 12 MONTHS $5,500

BREDON, GLEN E, AND KOSINSKI, ANTONI A; *RESEARCH IN ALGEBRAIC AND DIFFERENTIAL TOPOLOGY (P033945 X00)*; 12 MONTHS $30,000

SWEENEY, WILLIAM; *ESTIMATES FOR CERTAIN ELLIPTIC COMPLEXES OF HIGHER ORDER (P034194)*; 12 MONTHS $6,000

MILNOR, TILLA K; *DIFFERENTIAL GEOMETRY (P034416)*; 12 MONTHS $7,900

STRAWDERMAN, WILLIAM E; *PROBABILITY AND STATISTICS (P035018)*; 12 MONTHS $5,800

NEW MEXICO

NEW MEXICO STATE UNIVERSITY

WALKER, ELBERT A; *ABELIAN GROUPS (P028379 001)*; 12 MONTHS $18,700

WISNER, ROBERT J; *REGIONAL CONFERENCE ON SEQUENTIAL ANALYSIS AND OPTIMAL DESIGN (P030974)*; 6 MONTHS $7,500

UNIVERSITY OF NEW MEXICO

GRIEGO, RICHARD J; *RANDOM EVOLUTIONS (P031811)*; 24 MONTHS $11,700

HILLE, EINAR; *MISCELLANEOUS PROBLEMS IN ANALYSIS (P033071)*; 12 MONTHS $10,300

GOODMAN, VICTOR; *THE CAUCHY PROBLEM FOR THE HEAT EQUATION ON HILBERT SPACE (P034085)*; 12 MONTHS $4,400

HERSH, REUBEN; *INVARIANCE PRINCIPLE OF THE WAVE OPERATORS IN SCATTERING THEORY AND STATIONARY STATE MULTICHANNEL SCATTERING THEORY (P034188)*; 12 MONTHS $6,700

NEW YORK

CITY COLLEGE

DRESSLER, ROBERT F; *APPLIED PARTIAL DIFFERENTIAL EQUATIONS* (*P024619 001*); 12 MONTHS $18,100

DYER, ELDON, AND HELLER, ALEX; *APPLICATIONS OF HOMOLOGICAL ALGEBRA* (*P029265 001*); 12 MONTHS $30,000

COHN, HARVEY; *MODULAR FUNCTIONS AND NUMBER THEORY* (*P033900*); 12 MONTHS $12,700

CLARKSON COLLEGE OF TECHNOLOGY

NEWELL, ALAN; *NONLINEAR PROCESSES* (*P032839 X00*); 12 MONTHS $15,800

DUBINSKY, ED; *THE STRUCTURE OF NUCLEAR SPACES* (*P033327*); 12 MONTHS $7,000

COLUMBIA UNIVERSITY

BERS, LIPMAN, LORCH, EDGAR R, AND ROSENBLOOM, P C; *MATHEMATICAL ANALYSIS* (*P029704 001*); $28,500

BERS, LIPMAN, LORCH, EDGAR R, AND ROSENBLOOM, P C; *MATHEMATICAL ANALYSIS* (*P029704 002*); 12 MONTHS $57,900

LEVENE, HOWARD, AND ROBBINS, HERBERT E; *PROBABILITY THEORY AND MATHEMATICAL STATISTICS* (*P031505 X00*); 12 MONTHS $24,100

KUBANISHI, MASATAKE, AND SCHMID, WILFRIED; *GEOMETRIC ANALYSIS* (*P032843*); 12 MONTHS $57,700

BASS, HYMAN; *K-THEORY, ANALYTIC NUMBER THEORY, AND DIFFERENTIAL ALGEBRA* (*P033019 X00*); 12 MONTHS $70,200

ROBBINS, HERBERT E; *PROBABILITY THEORY AND MATHEMATICAL STATISTICS* (*P033570 X00*); 12 MONTHS $31,000

CORNELL UNIVERSITY

NEMHAUSER, GEORGE; *OPTIMAL SET COVERING* (*K032282 X00**); 12 MONTHS $10,500

KIEFER, J; *MATHEMATICAL STATISTICS* (*P024438 001*); 12 MONTHS $53,100

ROSENBERG, ALEX, AND CHASE, STEPHEN U; *ALGEBRA* (*P025600 001*); 12 MONTHS $61,600

NERODE, ANIL, AND MORLEY, MICHAEL; *MATHEMATICAL LOGIC* (*P028169 001*); 12 MONTHS $20,000

FUCHS, W H J, AND EARLE, C; *MATHEMATICAL ANALYSIS* (*P028251 001*); 12 MONTHS $47,400

WANG, H C; *TOTALLY DISCONTINUOUS GROUPS* (*P029325 001*); 12 MONTHS $6,500

WANG, H C; *TOTALLY DISCONTINUOUS GROUPS* (*P029325 002*); 6 MONTHS $8,400

CHASE, STEPHEN U; *RINGS, FIELDS, AND ALGEBRAS* (*P030736*); 12 MONTHS $14,000

GROSS, LEONARD; *MATHEMATICAL ANALYSIS* (*P031380 X00*); 12 MONTHS $15,100

WEISS, LIONEL; *ASYMPTOTICALLY OPTIMAL STATISTICAL PROCEDURES IN NONSTANDARD CASES* (*P031430 X00*); 12 MONTHS $22,900

LUCAS, WILLIAM F, AND BILLERA, LOUIS J; *STABILITY IN MULTI-PERSON GAMES* (*P032314 X00*); 12 MONTHS $20,000

FULKERSON, D RAY; *TOPICS IN COMBINATORIAL MATHEMATICS* (*P032316 X00*); 12 MONTHS $16,500

PAYNE, LAWRENCE E; *DIFFERENTIAL EQUATIONS AND THEIR APPLICATIONS* (*P033031 X00*); 12 MONTHS $45,800

ITO, K, KESTEN, H, AND SPITZER, F; *PROBABILITY THEORY* (*P033136 X00*); 12 MONTHS $57,700

OLUM, PAUL; *TOPOLOGY* (*P023960 X00*); 12 MONTHS $74,000

FORDHAM UNIVERSITY

KOVACIC, JERALD J; *DIFFERENTIAL GALOIS COHOMOLOGY* (*P028242 001*); 12 MONTHS $5,200

CHING, WAI-MEE; *STRUCTURE OF FACTORS AND GROUPS OF AUTOMORPHISMS OF VON NEUMANN ALGEBRAS* (*P028517 001*); 12 MONTHS $5,500

GRADUATE SCHOOL AND UNIVERSITY CENTER

JACQUET, HERVE; *SOME FUNCTIONAL EQUATIONS* (*P027952 001*); 12 MONTHS $9,300

AUSLANDER, LOUIS; *ANALYSIS-IN-THE-LARGE* (*P027962 001*); 12 MONTHS $59,200

NEW YORK UNIVERSITY

GLIMM, JAMES; *QUANTUM FIELD THEORY* (*P024003 001**); 12 MONTHS $23,400

JOHN, FRITZ; *MATHEMATICAL PHYSICS* (*P027176 001*); 12 MONTHS $43,000

REISS, EDWARD L; *NUMERICAL STUDIES OF NONLINEAR ELASTIC AND HYDRODYNAMIC STABILITY PROBLEMS* (*P027223 001*); 12 MONTHS $15,900

MAGNUS, WILHELM; *GROUP THEORY* (*P028536 001*); 12 MONTHS $20,300

BERMAN, S M; *MAXIMA AND EXCURSIONS OF GAUSSIAN PROCESSES* (*P028651 001*); 12 MONTHS $7,200

KELLER, JOSEPH B; *MATHEMATICAL PROBLEMS OF ELECTROMAGNETIC THEORY AND OTHER APPLIED FIELDS* (*P032996 X00**); 12 MONTHS $45,000

PITTIE, HARSH V; *MATHEMATICAL TOPOLOGY* (*P033840*); 12 MONTHS $5,000

NIRENBERG, L; *DIFFERENTIAL EQUATIONS AND CONTINUUM MECHANICS* (*P034680*); 12 MONTHS $116,900

POLYTECHNIC INSTITUTE OF BROOKLYN

HOCHSTADT, HARRY; *PROPERTIES OF SOLUTIONS OF DIFFERENTIAL EQUATIONS ARISING IN STUDIES OF WAVE PROPAGATION, ELASTICITY AND CELESTIAL MECHANICS* (*P027960 001*); 12 MONTHS $40,000

DEUTSCH, EMERIC; *PROPERTIES AND APPLICATIONS OF MATRICAL NORMS* (*P032834*); 12 MONTHS $5,700

QUEENS COLLEGE

WEISS, NORMAN J; *HARMONIC ANALYSIS* (*P031416*); 24 MONTHS $14,400

RENSSELAER POLYTECHNIC INSTITUTE

HABETLER, GEORGE J; *NUMERICAL ANALYSIS* (*P027368 001*); 12 MONTHS $15,500

LEMKE, CARLTON E, AND ECKER, JOSEPH; *MATHEMATICAL PROGRAMMING* (*P032844 X00*); 12 MONTHS $26,900

HANDELMAN, GEORGE H; *APPLIED MATHEMATICS* (*P033679 X00*); 12 MONTHS $51,000

FLEISHMAN, BERNARD A; *NONLINEAR ANALYSIS* (*P034386*); 12 MONTHS $8,700

ROCKEFELLER UNIVERSITY

COHEN, E G D; *MATHEMATICAL PHYSICS WITH SPECIAL EMPHASIS ON STATISTICAL PHYSICS* (*P030704*); 12 MONTHS $22,500

ST JOHN0S UNIVERSITY

MCCARTHY, DONALD J; *GROUPS WITH INFINITE CONJUGACY CLASSES* (*P031723*); 12 MONTHS $5,600

STATE UNIVERSITY AT ALBANY

CHILDS, LINDSAY N; *MATHEMATICAL ALGEBRA* (*P029652 X01*); 12 MONTHS $6,000

THOMAS, EDWARD S; *INVARIANT SETS OF FLOWS ON MANIFOLDS* (*P033046*); 12 MONTHS $7,500

MORRIS, ROBERT A; *COHOMOLOGY OF INSEPARABLE EXTENSIONS* (*P034003*); 12 MONTHS $5,400

NIRENBERG, RICARDO; *ON THE INDUCED OPERATOR ON REAL SUB-MANIFOLDS OF CN* (*P034196*); 12 MONTHS $9,000

RUPP, RUSSELL D; *PENALTY AND MULTIPLIER METHODS* (*P034480*); 12 MONTHS $5,300

JAMISON, BENTON; *THEORY OF RECIPROCAL AND MARKOV PROCESSES* (*P034627*); 12 MONTHS $10,000

STATE UNIVERSITY AT BUFFALO

ISBELL, JOHN R, AND DUSKIN, JOHN W JR; *TOPICS IN CATEGORY THEORY* (*P028491 001*); 12 MONTHS $24,000

PIECH, M ANN; *DIFFERENTIAL EQUATIONS ON ABSTRACT WIENER SPACE* (*P028934 001*); 12 MONTHS $6,500

PARZEN, EMANUEL; *PROBABILITY DENSITY ESTIMATION THEORY AND ALGORITHMS* (*P029069 001*); 12 MONTHS $21,500

PARZEN, EMANUEL; *REGIONAL CONFERENCE ON TESTS BASED ON THE SAMPLE DISTRIBUTION FUNCTION* (*P030225*); 12 MONTHS $10,400

CHOU, CHING; *ALGEBRAIC THEORY FOR AMENABLE GROUPS AND RELATED ANALYTIC PROBLEMS* (*P034190*); 12 MONTHS $6,500

JECH, THOMAS J; *SET THEORY* (*P034191 X00*); 12 MONTHS $17,500

STATE UNIVERSITY AT STONY BROOK

KRA, IRWIN; *DEFORMATIONS OF COMPLEX STRUCTURES* (*P019572 002*); 12 MONTHS $55,900

DOUGLAS, RONALD G, AND PINCUS, JOEL D; *PURE AND APPLIED OPERATOR THEORY AND GROUP REPRESENTATIONS* (*P029273 001*); 12 MONTHS $89,500

CHARLAP, LEONARD S; *TOPOLOGY OF MANIFOLDS* (*P029431 001*); 12 MONTHS $60,000

AX, JAMES; *NUMBER THEORY AND LOGIC* (*P029495 001*); 12 MONTHS $61,100

SIMONS, JAMES; *RIEMANNIAN GEOMETRY* (*P029743 001*); $14,000

SIMONS, JAMES; *DIFFERENTIAL GEOMETRY* (*P029743 002*); 12 MONTHS [illegible]

SRIVASTAV, RAM P; *MIXED BOUNDARY VALUE PROBLEMS IN ELASTICITY* (*P032375*); 12 MONTHS $9,200

ZEMANIAN, A H; *CONTINUOUS AND COMBINATORIAL SYSTEMS THEORY* (*P033568 X00*); 12 MONTHS $30,500

SYRACUSE UNIVERSITY

JURKAT, WOLFGANG B; *FOURIER ANALYSIS, COMBINATORIAL ANALYSIS, PRIME NUMBER THEORY* (*P019653 002*); 12 MONTHS $11,400

ANDERSON, DOUGLAS R; *APPLICATIONS OF ALGEBRAIC K-THEORY TO TOPOLOGY* (*P029540 001*); 12 MONTHS $6,500

HENRY, BRUCE R; *DIFFERENCE EQUATIONS IN BIOLOGY* (*P031379*); 24 MONTHS $11,600

LEWIN, JACQUES; *APPLICATIONS OF A REPRESENTATION THEOREM FOR FREE ASSOCIATIVE ALGEBRAS* (*P033050*); 12 MONTHS $6,600

EDREI, ALBERT; *THEORY OF MEROMORPHIC FUNCTIONS* (*P033175*); 12 MONTHS $17,300

UCCI, JOHN J; *SYMMETRIC PRODUCTS, SYMMETRIC MAPS, AND EQUIVARIANT MAPS (P034108)*; 12 MONTHS $7,200

UNIVERSITY OF ROCHESTER

STONE, ARTHUR; *NON-SEPARABLE METRIC SPACES (P015262 001)*; 12 MONTHS $9,500

BLUM, PETER; *THE ANALYTIC CASE IN DIFFERENTIAL ALGEBRA (P019764 001)*; 12 MONTHS $5,800

STONE, DOROTHY; *POSITIVE OPERATORS (P029087 001)*; 12 MONTHS $10,700

NACHBIN, LEOPOLDO; *FUNCTIONAL ANALYSIS AND APPLICATIONS (P029386 001)*; 12 MONTHS $32,800

HARPER, JOHN R; *ALGEBRAIC TOPOLOGY (P029433 X01)*; 12 MONTHS $5,400

KEMPERMAN, J H B; *PROBABILITY AND ANALYSIS (P029471 001)*; 12 MONTHS $12,800

MARSHALL, A W; *MULTIVARIATE LIFE DISTRIBUTIONS AND INEQUALITIES (P030707 X00)*; 12 MONTHS $15,300

YESHIVA UNIVERSITY

SCHECHTER, MARTIN; *MATHEMATICAL THEORY OF LINEAR OPERATORS PERTAINING TO QUANTUM MECHANICAL SYSTEMS OF PARTICLES (P019757 001)*; 12 MONTHS $14,500

SCHECHTER, MARTIN; *DIFFERENTIAL EQUATIONS WITH SINGULARITIES AND SOME OF THEIR IMPORTANT APPLICATIONS (P019757 002)*; 12 MONTHS $12,000

SAWYER, STANLEY; *PROBABILITY THEORY (P021063 001)*; 12 MONTHS $7,700

KORANYI, ADAM; *FUNCTION THEORY ON SYMMETRIC SPACES (P028448 001)*; 12 MONTHS $17,400

COBURN, LEWIS A; *OPERATOR THEORY AND FUNCTIONAL ANALYSIS (P032462 X00)*; 12 MONTHS $42,100

FLATTO, LEOPOLD; *PROBLEMS ON RANDOM WALKS (P033875)*; 12 MONTHS $8,300

CORNELL UNIVERSITY-MEDICAL COLLEGE

RUBINOW, SOL I; *A MATHEMATICAL MODEL OF THE CIRCULATORY SYSTEM (P020528 001)*; 12 MONTHS $14,000

INTERNATIONAL BUSINESS MACHINES CORPORATION-T J WATSON RESEARCH CENTER

WILLOUGHBY, RALPH A; *SYMPOSIUM ON SPARSE MATRICES (P030811)*; 12 MONTHS $3,900

NORTH CAROLINA

DUKE UNIVERSITY

SHOENFIELD, JOSEPH R; *FOUNDATIONS OF MATHEMATICS (P016819 002)*; 12 MONTHS $8,300

CARLITZ, LEONARD; *ALGEBRA AND NUMBER THEORY (P017031 001)*; 12 MONTHS $9,000

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

CHAKRAVARTI, I M; *PROBLEMS OF SEARCH THEORY, CODING AND INFORMATION PROCESSING, AND FINITE GEOMETRY AND STATISTICAL DESIGNS (P019568 001)*; 12 MONTHS $10,300

BRYLAWSKI, THOMAS H; *MODULAR FLATS AND THE CRITICAL PROBLEM FOR COMBINATORIAL GEOMETRIES (P032838)*; 12 MONTHS $5,000

KELLY, DOUGLAS G; *REPRESENTATION OF COMBINATORIAL GEOMETRIES BY ELEMENTARY MAPS (P034093)*; 12 MONTHS $5,500

PETERSEN, KARL; *CONSTRUCTION AND PROPERTIES OF INDUCED FLOWS (P034483)*; 12 MONTHS $5,200

OHIO

BOWLING GREEN STATE UNIVERSITY

HOLLAND, W CHARLES; *LATTICE ORDERED GROUPS (P034061)*; 12 MONTHS $10,400

CASE WESTERN RESERVE UNIVERSITY

ROSENBLATT, JUDAH, AND TAKACS, L F; *STOCHASTIC PROCESSES AND MATHEMATICAL STATISTICS (P024065 001)*; 12 MONTHS $34,700

KAINEN, PAUL C; *GRAPH THEORY, CATEGORY THEORY, AND ALGEBRAIC TOPOLOGY (P029551 001)*; 12 MONTHS $5,200

HEDSTROM, GERALD; *THE RATE OF CONVERGENCE OF DISCRETE APPROXIMATIONS TO SOME EQUATIONS OF EVOLUTION (P030735 X00)*; 12 MONTHS $6,800

ZACKS, SHELEMYAHU; *GAME THEORY, SEARCH THEORY, STATIONARY PROCESSES, STATISTICAL METHODS AND THE DESIGN OF SURVEY SAMPLING (P033908 X00)*; 12 MONTHS $10,500

OHIO STATE UNIVERSITY

ZASSENHAUS, HANS, AND WOODS, ALAN C; *GROUP THEORY, THE THEORY OF ORDERS, AND THE GEOMETRY OF NUMBERS (P009588 002)*; 12 MONTHS $24,700

JANKO, ZVONIMIR; *FINITE GROUP THEORY (P016949 001)*; 12 MONTHS $15,000

MILLER, LEONHARD; *THE CARTIER OPERATOR OF SPECIAL HYPERSURFACES AND THE INVARIANTS OF THE VARIETIES (P020833 001)*; 12 MONTHS $5,700

WILSON, RICHARD M; *COMBINATORIAL DESIGNS AND RELATED STRUCTURES (P028943 001)*; 12 MONTHS $5,100

FERRAR, JOSEPH C, BROWN, ROBERT B, AND ALLEN, HARRY P; *NONSPLIT LIE ALGEBRAS AND ALGEBRAIC GROUPS (P029004 X01)*; 12 MONTHS $19,800

MADAN, MANOHAR; *CLASS GROUPS OF GLOBAL FIELDS (P029083 001)*; 12 MONTHS $6,400

ROBERTSON, NEIL; *GRAPH CONNECTIVITY (P029399 X01)*; 12 MONTHS $5,000

MISLIN, GUIDO; *H-SPACES MOD P AND H-SPACES OF LOW RANK (P029544 X01)*; 12 MONTHS $6,000

HARADA, KOICHIRO; *SIMPLE GROUPS OF SECTIONAL RANK AT MOST 4 (P032835)*; 12 MONTHS $5,700

JOHNSON, WILLIAM B; *THE APPROXIMATION PROBLEM IN BANACH SPACES (P033578)*; 12 MONTHS $5,700

SUCHESTON, LOUIS; *OPERATOR ERGODIC THEORY (P034118)*; 12 MONTHS $19,000

UNIVERSITY OF CINCINNATI

HALPERN, HERBERT; *AUTOMORPHISM GROUPS OF VON NEUMANN ALGEBRAS (P033030 X00)*; 12 MONTHS $6,900

OREGON

OREGON STATE UNIVERSITY

BRUNK, H D; *BAYESIAN ESTIMATION OF MULTIVARIATE DENSITIES FOR USE IN CLASSIFICATION WITH APPLICATION TO DIAGNOSIS OF DISEASE (P024612 001)*; 12 MONTHS $16,400

FEIN, BURTON I; *ALGEBRAIC NUMBER THEORY AND DIVISION ALGEBRAS (P029068 001)*; 12 MONTHS $10,400

UNIVERSITY OF OREGON - EUGENE

CURTIS, CHARLES W; *THE REPRESENTATION THEORY OF FINITE GROUPS (P020308 002)*; 12 MONTHS $3,200

CIVIN, PAUL, ROSS, KENNETH A, AND YOOD, BERTRAM; *NORMED ALGEBRAS AND ABSTRACT HARMONIC ANALYSIS (P028250 001)*; $7,900

SEITZ, GARY M, AND WRIGHT, CHARLES R B; *SOLVABLE GROUP THEORY (P029041 X01)*; 12 MONTHS $11,200

ANDREWS, FRED C, AND TRUAX, DONALD R; *PROBABILITY AND STATISTICS (P032052 X00)*; 12 MONTHS $34,800

HARRISON, D K; *RINGS AND FORMS (P032842)*; 12 MONTHS $14,300

KANTOR, WILLIAM M; *FINITE PERMUTATION GROUPS AND FINITE GEOMETRIES (P033223)*; 12 MONTHS $5,500

DYER, MICHAEL N, AND SIERADSKI, ALLAN J; *SELECTED TOPICS IN ALGEBRAIC TOPOLOGY (P034087)*; 12 MONTHS $9,200

PENNSYLVANIA

CARNEGIE-MELLON UNIVERSITY

KORTANEK, KENNETH O; *NUMERICAL ASPECTS OF POLLUTION ABATEMENT (K031833*)*; 24 MONTHS $20,000

PEDERSON, ROGER N; *SCHLICHT FUNCTIONS AND DIFFERENTIAL EQUATIONS (P021512 002)*; 12 MONTHS $15,100

NEHARI, ZEEV; *DIFFERENTIAL EQUATIONS AND THE THEORY OF OPTIMAL CONTROL (P023112 002)*; 12 MONTHS $12,000

BALAS, EGON; *INTEGER PROGRAMMING AND CONVEX ANALYSIS (P031699)*; 12 MONTHS $13,000

COLEMAN, BERNARD D; *COLLABORATIVE RESEARCH-DYNAMICAL STABILITY OF CONTINUOUS MEDIA (P032951 X00)*; 12 MONTHS $16,000

KOLODNER, IGNACE I; *BOLTZMANN EQUATION AND RELATED TOPICS (P033032 X00)*; 12 MONTHS $12,400

SCHAFFER, JUAN J; *FUNCTIONAL ANALYSIS, TRANSITION SYSTEMS, AND DIFFERENTIAL EQUATIONS (P033364 X00)*; 12 MONTHS $11,700

DEGROOT, MORRIS H; *STATISTICAL ANALYSIS, INFERENCE, AND PROGRAMMING (P033504)*; 12 MONTHS $29,800

GURTIN, MORTON, AND WILLIAMS, WILLIAM O; *CONTINUUM MECHANICS (P033776 X00)*; 12 MONTHS $15,600

NOLL, WALTER; *MATHEMATICAL FOUNDATIONS OF MECHANICS AND THERMODYNAMICS (P033910 X00)*; 12 MONTHS $11,200

DREXEL UNIVERSITY

RORRES, CHRIS; *STRONG CONVERGENCE IN THE GENERALIZED SENSE AND SPECTRAL CONCENTRATION (P030512)*; 12 MONTHS $5,900

BUSBY, ROBERT C; *INDUCED REPRESENTATIONS OF LOCALLY COMPACT GROUPS (P031942)*; 12 MONTHS $6,800

HAVERFORD COLLEGE

HUSEMOLLER, DALE; *TOPOLOGICAL ANALOGUES OF DECOMPOSITIONS OF HOPF ALGEBRAS (P029739 001)*; 12 MONTHS $11,900

LEHIGH UNIVERSITY

RIVLIN, R S; *NON-LINEAR CONTINUUM PHYSICS (P030904 X00)*; 12 MONTHS $25,000

HSIUNG, CHUAN-CHIH; *SUBMANIFOLDS AND CONFORMAL TRANSFORMATION GROUPS (P033944)*; 12 MONTHS $10,200

RIVLIN, R S; *NON-LINEAR WAVE PROPAGATION (P034740*)*; 12 MONTHS $24,800

PENNSYLVANIA STATE UNIVERSITY

CHOWLA, S; *NUMBER THEORY AND ALLIED TOPICS (P023774)*; 12 MONTHS $57,000

ARMENTROUT, STEVE; *MONOTONE DECOMPOSITIONS OF MANIFOLDS (P030796)*; 12 MONTHS $11,500

SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS

VARGA, RICHARD S; *FIFTH SYMPOSIUM ON NUMERICAL ALGEBRA (P033392*)*; 12 MONTHS $15,100

JAMESON, W J JR; *SYMPOSIA ON APPLIED MATHEMATICS- (I) THEORETICAL ASPECTS, (II) COMPUTATIONAL ASPECTS (P033573)*; 12 MONTHS $8,500

TEMPLE UNIVERSITY

GROSSWALD, EMIL; *NUMBER THEORY (P023170 002)*; 12 MONTHS $11,000

STASHEFF, JAMES D; *HOMOTOPY THEORY OF CLASSIFYING SPACES AND FIBRINGS (P029660 001)*; 12 MONTHS $9,700

UNIVERSITY OF PENNSYLVANIA

SAKAI, SHOIOCHIRO; *OPERATOR ALGEBRA (P028347 001)*; 12 MONTHS $8,900

FREYD, PETER; *CATEGORIAL ALGEBRA (P028431 001)*; 12 MONTHS $7,600

GOLDMAN, OSCAR; *TOPOLOGICAL ALGEBRA (P028488 001)*; 12 MONTHS $10,500

SHATZ, STEPHEN S; *ALGEBRA AND ALGEBRAIC GEOMETRY (P028537 001)*; 12 MONTHS $22,100

KADISON, RICHARD V; *FUNCTIONAL ANALYSIS AND MATHEMATICAL PHYSICS (P028976 X01)*; 12 MONTHS $52,600

CALABI, EUGENIO, AND NIJENHUIS, ALBERT; *DIFFERENTIAL STRUCTURES (P029258 001)*; $5,800

CALABI, EUGENIO, AND NIJENHUIS, ALBERT; *DIFFERENTIAL STRUCTURES (P029258 002)*; 12 MONTHS $40,700

WILF, HERBERT S; *COMBINATORIAL ANALYSIS (P029264 001)*; 12 MONTHS $9,500

GERSTENHABER, MURRAY; *MODERN GEOMETRIC METHODS IN ALGEBRA (P029268 001)*; 12 MONTHS $23,000

RIM, DOCK SANG; *HOMOLOGICAL ALGEBRA (P029429 001)*; 12 MONTHS $10,400

WALLACE, ANDREW H; *CLASSIFICATION OF SINGULARITIES AND VARIETIES (P029529 001)*; $8,600

WALLACE, ANDREW H; *CLASSIFICATION OF SINGULARITIES AND VARIETIES (P029529 002)*; 12 MONTHS $20,000

YANG, C T; *DIFFERENTIABLE TRANSFORMATION GROUPS (P029530 001)*; 12 MONTHS $8,500

UNIVERSITY OF PITTSBURGH

NAGATA, JUN-ITI, AND HEATH, ROBERT W; *GENERALIZED METRIC SPACES (P029401 001)*; 12 MONTHS $30,000

RHODE ISLAND

AMERICAN MATHEMATICAL SOCIETY

WALKER, GORDON L; *SYMPOSIUM ON MATHEMATICAL QUESTIONS IN BIOLOGY (P031425)*; 12 MONTHS $3,300

WALKER, GORDON L; *SYMPOSIUM ON ANALYTIC NUMBER THEORY AND RELATED PARTS OF ANALYSIS (P032302)*; 18 MONTHS $14,000

WALKER, GORDON L; *1972 SUMMER INSTITUTE ON HARMONIC ANALYSIS ON HOMOGENEOUS SPACES (P033391)*; 12 MONTHS $60,000

WALKER, GORDON L; *RESEARCH SEMINAR ON NONLINEAR WAVE MOTION (P034254)*; 12 MONTHS $25,700

BROWN UNIVERSITY

LASALLE, J P, AND KUSHNER, H J; *THEORY OF SYSTEMS WITH EMPHASIS ON COMPUTATIONAL PROBLEMS (K031073 X00*)*; 12 MONTHS $35,000

CLARK, ALLAN H, BAUM, PAUL F, AND HARRIS, BRUNO; *ALGEBRAIC AND DIFFERENTIAL TOPOLOGY (P022580 002)*; $17,000

FLEMING, WENDELL H; *STOCHASTIC SYSTEMS THEORY AND OPTIMAL CONTROL (P027914 001)*; 12 MONTHS $22,200

NOMIZU, KATSUMI; *DIFFERENTIAL GEOMETRY (P028419 001)*; 12 MONTHS $14,000

BROWDER, ANDREW, AND WERMER, JOHN; *FUNCTION ALGEBRAS (P028574 X01)*; 12 MONTHS $31,000

BROWDER, ANDREW, AND WERMER, JOHN; *FUNCTION ALGEBRAS (P028574 X02)*; $6,500

LANDMAN, ALAN; *ALGEBRAIC GEOMETRY (P028751 001)*; 12 MONTHS $5,900

PIPKIN, ALLEN C; *NON-LINEAR CONTINUUM MECHANICS (P028881 001)*; 12 MONTHS $9,100

LASALLE, JOSEPH P, AND HALE, JACK K; *NONLINEAR DYNAMICAL SYSTEMS (P028931 X01)*; 12 MONTHS $73,800

LUBIN, JONATHAN D, AND ROSEN, MICHAEL I; *ARITHMETIC AND ALGEBRAIC GEOMETRY (P029082 001)*; $15,400

LUBIN, JONATHAN D, AND ROSEN, MICHAEL I; *ARITHMETIC AND ALGEBRAIC GEOMETRY (P029082 002)*; 12 MONTHS $16,000

FEDERER, HERBERT; *GEOMETRIC MEASURE THEORY (P032019 X00)*; 12 MONTHS $15,700

ITO, YUJI; *ERGODIC THEORY (P033185)*; 12 MONTHS $7,100

CLARK, ALLAN H; *ALGEBRAIC AND DIFFERENTIAL TOPOLOGY (P034184 X00)*; 12 MONTHS $31,500

STRAUSS, WALTER A; *NONLINEAR PARTIAL DIFFERENTIAL EQUATIONS (P034322 X00)*; 12 MONTHS $11,200

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CLEMSON UNIVERSITY

RENEKE, JAMES; *EXISTENCE OF ANALYTIC REALIZATIONS OF HEREDITARY SYSTEMS (P033947)*; 12 MONTHS $6,200

TENNESSEE

UNIVERSITY OF TENNESSEE, KNOXVILLE

PLEMMONS, ROBERT J, AND CLINE, RANDALL E; *GENERALIZED MATRIX INVERSES - AN ALGEBRAIC APPROACH (P015943 001)*; 12 MONTHS $13,800

DAVERMAN, ROBERT J, AND HUSCH, LAWRENCE S; *PROBLEMS IN THE TOPOLOGY OF MANIFOLDS (P033872)*; 12 MONTHS $24,500

CARRUTH, J H; *FUNCTORIALIZED GENERALIZATIONS OF SCHREIER EXTENSION THEORY FOR ALGEBRAIC AND TOPOLOGICAL SEMIGROUPS (P033946)*; 12 MONTHS $6,500

VANDERBILT UNIVERSITY

JONSSON, BJARNI; *ALGEBRA AND LATTICE THEORY (P029129 001)*; 12 MONTHS $20,500

MEGIBBEN, CHARLES K; *ABELIAN GROUPS (P033023 X00)*; 12 MONTHS $6,700

CROOKE, PHILIP S, AND MIURA, ROBERT M; *REGIONAL CONFERENCE ON APPROXIMATION OF EIGENVALUES OF DIFFERENTIAL OPERATORS (P033586)*; 12 MONTHS $7,100

REDDIEN, GEORGE W JR, AND WEBB, GLENN F; *RESEARCH IN NONLINEAR FUNCTIONAL ANALYSIS (P033653)*; 12 MONTHS $9,000

MIURA, ROBERT M; *NONLINEAR WAVE PROPAGATION (P034319)*; 12 MONTHS $7,500

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RICE UNIVERSITY

VEECH, WILLIAM A; *TOPOLOGICAL DYNAMICS, ERGODIC AND PROBABILITY THEORY, GLOBAL ANALYSIS (P018961 002)*; 12 MONTHS $20,500

WELLS, R O JR; *COMPLEX ANALYSIS (P019011 002)*; 12 MONTHS $20,600

BAUMSLAG, GILBERT; *ALGEBRA AND GROUP THEORY (P019586 002)*; 12 MONTHS $38,000

CURTIS, MORTON L; *TOPOLOGY (P029438 001)*; 12 MONTHS $42,500

MIELE, ANGELO, AND HUANG, HO-YI; *COMPUTER ALGORITHMS FOR OPTIMIZATION THEORY (P032453)*; 12 MONTHS $19,500

JONES, B FRANK JR; *RESEARCH IN PARTIAL DIFFERENTIAL EQUATIONS AND NUMERICAL ANALYSIS (P033749)*; 12 MONTHS $30,000

TEXAS TECH UNIVERSITY

TARWATER, DALTON; *REGIONAL CONFERENCE ON PARTIAL DIFFERENTIAL EQUATIONS (P032993)*; 12 MONTHS $9,200

UNIV OF TEXAS AT AUSTIN

LORENTZ, GEORGE G; *APPROXIMATION THEORY AND FUNCTIONAL ANALYSIS (P023566 001)*; 24 MONTHS $21,400

GREENLEAF, NEWCOMB; *VECTOR BUNDLES ON KLEIN SURFACES (P029028 001)*; 12 MONTHS $10,500

EATON, WILLIAM T; *EXTENSIONS OF A MIS-MATCH THEOREM (P029400 X01)*; 12 MONTHS $6,000

SHOWALTER, RALPH E; *A UNIFIED STUDY OF SOME RECENT PROBLEMS OF MATHEMATICAL PHYSICS (P034261)*; 12 MONTHS $5,500

UNIVERSITY OF HOUSTON

HAUSEN, JUTTA; *THE NORMAL SUBGROUPS OF THE AUTOMORPHISM GROUP OF AN ABELIAN P-GROUP (P034195)*; 12 MONTHS $4,800

UTAH

BRIGHAM YOUNG UNIVERSITY

FEARNLEY, LAWRENCE; *HIGHER-DIMENSIONAL INVERSE LIMIT SPACES (P033880)*; 12 MONTHS $5,500

UNIVERSITY OF UTAH

BROOKS, ROBERT M; *F-ALGEBRAS (P018729 001)*; 12 MONTHS $8,100

RUSHING, T B; *PROBLEMS IN HIGH DIMENSIONAL MANIFOLD TOPOLOGY (P019707 002)*; 12 MONTHS $7,500

GLASER, LESLIE C; *GEOMETRIC PIECEWISE LINEAR TOPOLOGY (P[illegible]19812 001)*; 12 MONTHS $9,000

BURGESS, C E; *MAPPING MANIFOLDS INTO MANIFOLDS (P020292 002)*; 12 MONTHS $10,000

GROSS, FLETCHER I; *GROUP THEORY (P029044 X01)*; 12 MONTHS $7,600

TAYLOR, JOSEPH L; *OPERATOR THEORY IN SEVERAL VARIABLES (P032331)*; 24 MONTHS $22,500

COLES, W J; *A SYMPOSIUM ON ORDINARY DIFFERENTIAL EQUATIONS (P032994)*; 6 MONTHS $2,000

TUCKER, DON H; *SYMPOSIUM ON VECTOR AND OPERATOR MEASURES AND APPLICATIONS (P033193)*; 12 MONTHS $7,000

VERMONT

UNIVERSITY OF VERMONT

COOKE, ROGER L; *ABSOLUTE CONVERGENCE OF TRIGONOMETRIC SERIES IN SEVERAL VARIABLES* (P012882 001); 24 MONTHS $13,400

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SIMMONDS, JAMES G, AND DANIELSON, DONALD A; *SOME MATHEMATICAL PROBLEMS ARISING IN THIN SHELL THEORY* (P015333 001); 12 MONTHS $16,600

MCCRIMMON, KEVIN M, AND WARD, HAROLD N; *GROUP THEORY AND JORDAN ALGEBRAS* (P029411 001); 12 MONTHS $21,200

ROSENBLUM, MARVIN; *FUNCTIONAL AND HARMONIC ANALYSIS* (P031483 X00); 12 MONTHS $39,400

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FEUSTEL, C D; *POLYHEDRAL AND PIECEWISE LINEAR TOPOLOGY* (P015357 002); 12 MONTHS $5,200

HOLUB, JAMES R; *TOPOLOGICAL TENSOR PRODUCTS, SPACES OF OPERATORS, AND SCHAUDER BASES* (P033778); 12 MONTHS $5,600

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VAN NESS, JOHN W, AND FISHER, L D JR; *APPLICATIONS OF STOCHASTIC PROCESSES* (P022591 001); 12 MONTHS $13,000

LUMER, GUNTER, AND MOORE, ROBERT T; *FUNCTIONAL ANALYSIS* (P022727 001); 12 MONTHS $20,000

BIRNBAUM, Z W; *DISTRIBUTION-FREE STATISTICS- COHERENT STRUCTURES* (P023109 001); 6 MONTHS $1,000

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GLICKSBERG, IRVING; *HARMONIC ANALYSIS AND BANACH ALGEBRAS* (P028636 001); 12 MONTHS $15,900

BLUMENTHAL, ROBERT M, AND GANGOLLI, RAMESH A; *ANALYSIS AND PROBABILITY THEORY* (P028923 X01); 12 MONTHS $20,000

JANS, JAMES P; *STRUCTURE OF MODULES RINGS AND GROUPS* (P028946 001); 12 MONTHS $28,500

CORSON, HARRY, AND PHELPS, ROBERT; *TOPOLOGICAL AND EXTREMAL PROBLEMS IN FUNCTIONAL ANALYSIS* (P028974 001); 12 MONTHS $13,300

CURJEL, CASPAR R; *MAPPING PROBLEMS* (P029106 001); 12 MONTHS $14,200

MICHAEL, ERNEST, AND HILTON, PETER J; *ABSTRACT SPACES* (P029107 001); 12 MONTHS $14,100

CHAN, Y K; *CONSTRUCTIVE PROBABILITY THEORY* (P029233 001); 12 MONTHS $4,800

WARNER, GARTH; *L-FUNCTIONS ON REDUCTIVE LIE GROUPS* (P029357 001); 12 MONTHS $5,500

ARSOVE, MAYNARD G; *HARDY SPACES AND POTENTIAL THEORY* (P029441 001); 12 MONTHS $9,700

PYKE, RONALD, AND SHORACK, GALEN R; *THE THEORY OF STOCHASTIC PROCESSES AND RELATED PROBLEMS IN STATISTICAL INFERENCE* (P031361 X00); 12 MONTHS $16,000

KLEE, VICTOR, AND GRUNBAUM, BRANKO; *CONVEXITY AND COMBINATORICS* (P031391); 12 MONTHS $13,300

PEARSON, CARL E, KEVORKIAN, JIRAIR, AND VAGNERS, JURIS; *SELECTED TOPICS IN APPLIED MECHANICS* (P032030); 12 MONTHS $26,000

HEWITT, EDWIN; *FUNCTIONAL ANALYSIS* (P032840 X00); 12 MONTHS $26,000

DILL, ELLIS H; *DYNAMICAL STABILITY OF CONTINUOUS MEDIA* (P032950 X00); 12 MONTHS $8,000

SEGAL, JACK; *SHAPE THEORY* (P034058); 12 MONTHS $7,400

GOLDSTEIN, A A; *NUMERICAL ANALYSIS* (P034317); 12 MONTHS $9,300

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OSTROM, T G, AND KALLAHER, M J; *TRANSLATION PLANES* (P033028 X00); 12 MONTHS $13,100

BUSHAW, DONALD W; *CONFERENCE ON MATHEMATICAL TOPICS IN STABILITY THEORY* (P033194); 6 MONTHS $2,000

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SCHNEIDER, HANS; *MATRIX AND COMBINATORIAL THEORY* (P017815 002); 12 MONTHS $15,400

HELLERSTEIN, SIMON; *FUNCTION THEORY AND RELATED ASYMPTOTIC PROBLEMS* (P021340 002); 12 MONTHS $10,000

BUCK, R C; *MATHEMATICAL ANALYSIS* (P024182 001); 12 MONTHS $75,000

YOUNG, LAURENCE C; *STOCHASTIC INTEGRALS, CONTROL THEORY, VARIATIONAL METHODS, AND THEIR APPLICATIONS* (P027211 001); 12 MONTHS $11,000

NEY, PETER E; *BRANCHING PROCESSES AND POPULATION GROWTH AND MOVEMENT* (P027286 001); 6 MONTHS $15,600

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OSBORN, J MARSHALL; *NONASSOCIATIVE ALGEBRAS* (P029404 X01); 12 MONTHS $8,000

SOLOMON, LOUIS; *GROUPS AND GEOMETRY* (P029432 001); $15,500

MARTIN, JOSEPH M, AND MCMILLAN, D R JR; *GEOMETRIC TOPOLOGY* (P029537 X01); 12 MONTHS $24,800

FADELL, EDWARD R, AND HUSSEINI, SUFIAN Y; *ALGEBRAIC TOPOLOGY AND MANIFOLD THEORY* (P029538 001); $13,000

FADELL, EDWARD R; *ALGEBRAIC TOPOLOGY AND MANIFOLD THEORY* (P029538 002); 12 MONTHS $18,900

NOHEL, JOHN A; *NONLINEAR VOLTERRA AND DELAY EQUATIONS* (P030250); 12 MONTHS $9,600

VAN RYZIN, JOHN; *REPETITIVE STATISTICAL DECISION PROBLEMS* (P031931); 24 MONTHS $18,800

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BLEICHER, M N; *STUDIES IN ANALYTIC NUMBER THEORY AND GEOMETRY OF NUMBERS* (P033029); 12 MONTHS $7,400

LEVY, LAWRENCE S, AND WIEGAND, ROGER A; *RINGS AND MODULES* (P033548); 12 MONTHS $11,600

MEYER, R E; *ASYMPTOTIC METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS AND APPLICATIONS* (P033579 X00); 12 MONTHS $30,100

BUCK, R C; *MATHEMATICAL ANALYSIS* (P033897 X00); 12 MONTHS $101,300

NEY, PETER E; *BRANCHING PROCESSES AND POPULATION GROWTH AND MOVEMENT* (P033991 X00); 12 MONTHS $32,400

GREVILLE, T N E; *SYMPOSIUM ON POPULATION DYNAMICS* (P034304); 12 MONTHS $7,000

PHYSICS

ARIZONA

UNIVERSITY OF ARIZONA

BOWEN, THEODORE; *ELEMENTARY PARTICLE RESEARCH WITH COUNTERS AND TRACK CHAMBERS* (P026400 001); 12 MONTHS $153,100

DONAHUE, DOUGLAS J; *LOW ENERGY NUCLEAR PHYSICS* (P032083); 12 MONTHS $90,000

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

CORNGOLD, NOEL; *THE THEORY OF NEUTRAL PARTICLE TRANSPORT* (P009626 001); 24 MONTHS $62,000

LAURITSEN, T; *NUCLEAR ASTROPHYSICS AND ASSOCIATED NUCLEAR PHYSICS* (P028027 001); 12 MONTHS $1,000,000

HARVEY MUDD COLLEGE

BELL, GRAYDON D; *ABSOLUTE F-VALUES FOR SPECTRAL LINES OF HEAVY ELEMENTS* (P008143 001); 12 MONTHS $17,000

STANFORD RESEARCH INSTITUTE

SMITH, FELIX T; *COLLISION PROCESSES INVOLVING METASTABLE ATOMS AND MOLECULES* (P021314 001); 12 MONTHS $26,000

HILL, ROBERT M; *DYNAMIC MOLECULAR DEFLECTION* (P034660); 12 MONTHS $51,400

STANFORD UNIVERSITY

MEYERHOF, WALTER E, AND HANNA, STANLEY S; *NUCLEAR STRUCTURE INVESTIGATIONS WITH A 15-MEV TANDEM VAN DE GRAAFF ACCELERATOR* (P008163 005); 12 MONTHS $460,000

MEYERHOF, WALTER E, AND HANNA, STANLEY S; *NUCLEAR STRUCTURE INVESTIGATIONS WITH A 15-MEV TANDEM VAN DE GRAAFF ACCELERATOR* (P008163 006); $4,300

FAIRBANK, W M, HOFSTADTER, ROBERT, SCHWARTZ, MELVIN, SCHWETTMAN, H A, AND WOJCICKI, STANLEY; *HIGH ENERGY PHYSICS, CRYOGENIC RESEARCH, AND GRAVITATIONAL RADIATION* (P028299 001*); 12 MONTHS $1,319,000

SCHAWLOW, ARTHUR L; *STUDIES IN SPECTROSCOPY AND QUANTUM ELECTRONICS* (P028415 001); $18,000

SCHAWLOW, ARTHUR; *SPECTROSCOPY AND QUANTUM ELECTRONICS* (P028415 002); 12 MONTHS $160,000

CRAWFORD, F W; *TURBULENT HEATING OF PLASMAS* (P033365); 12 MONTHS $65,000

GLAVISH, HILTON F, HANNA, STANLEY S, AND SCHWETTMAN, H ALAN; *SUPERCONDUCTING HEAVY ION ACCELERATOR* (P033411); 6 MONTHS $73,500

UNIVERSITY OF CALIFORNIA, BERKELEY

DAVIS, SUMNER P; *OBSERVATION AND ANALYSIS OF SPECTRA AND STRUCTURE OF ATOMS AND MOLECULES* (P013893 001); 24 MONTHS $48,300

SACHS, RAINER K; *GENERAL RELATIVITY* (P029257 001); 12 MONTHS $17,500

JEFFRIES, C D; *THE SECOND INTERNATIONAL CONFERENCE ON POLARIZED TARGETS, LAWRENCE RADIATION LABORATORY, BERKELEY, CALIFORNIA, AUGUST AND SEPTEMBER, 1971 (P030401)*; 12 MONTHS $8,500

TAUB, A H; *ANALYTIC AND NUMERICAL STUDIES IN GENERAL RELATIVITY (P031358 X00*)*; 12 MONTHS $14,350

UNIVERSITY OF CALIFORNIA, DAVIS

GREIDER, KENNETH, AND TRUE, WILLIAM W; *THEORETICAL PHYSICS (P032015)*; 12 MONTHS $60,800

JUNGERMAN, J A; *NUCLEAR PHYSICS RESEARCH (P032054)*; 12 MONTHS $294,500

UNIVERSITY OF CALIFORNIA, IRVINE

SHAW, GORDON L, AND BANDER, MYRON; *THEORETICAL STUDIES IN HIGH ENERGY PHYSICS (P017170 001)*; 18 MONTHS $46,500

RYNN, NATHAN; *ALKALI METAL, BARIUM PLASMAS, AND BASIC PLASMA PHYSICS (P028656 001)*; 12 MONTHS $114,400

SHAW, GORDON L; *CONFERENCE ON PARTICLE PHYSICS, UNIVERSITY OF CALIFORNIA, IRVINE, DECEMBER 1971 (P031685)*; 12 MONTHS $1,000

REINES, FREDERICK, AND CHEN, HERBERT HWA-SEN; *ELASTIC SCATTERING AT LAMPF - A FEASIBILITY STUDY (P032860)*; 12 MONTHS $93,900

UNIVERSITY OF CALIFORNIA, LOS ANGELES

NORTON, RICHARD; *THEORETICAL HIGH ENERGY PHYSICS (P021281 002)*; 12 MONTHS $143,000

MOSZKOWSKI, STEVEN A; *THEORETICAL NUCLEAR PHYSICS (P021313 001)*; 12 MONTHS $40,000

FRIED, BURTON D; *PLASMA PHYSICS (P022817 001)*; 12 MONTHS $24,000

WONG, ALFRED Y; *NON-LINEAR EFFECTS IN ELECTRON PLASMA WAVES (P028509 X01)*; 12 MONTHS $56,100

WRIGHT, BYRON T; *INTERNATIONAL CONFERENCE ON FEW-PARTICLE PROBLEMS IN THE NUCLEAR INTERACTION (P033376)*; 12 MONTHS $9,700

SCHLEIN, PETER E; *MULTI-PARTICLE SPECTROSCOPY EXPERIMENTS (P033565)*; 12 MONTHS $94,400

UNIVERSITY OF CALIFORNIA, RIVERSIDE

KAUS, PETER E; *HIGH ENERGY THEORETICAL PHYSICS (P032366 X00)*; 12 MONTHS $30,000

UNIVERSITY OF CALIFORNIA, SAN DIEGO

CHEN, JOSEPH C Y; *THEORETICAL RESEARCH ON SEVERAL PARTICLE DYNAMICS (P020459 001)*; 12 MONTHS $32,500

MALMBERG, JOHN H; *NONLINEAR PLASMA WAVE RESEARCH (P027120 001)*; 12 MONTHS $125,000

VERNON, WAYNE; *MUON INELASTIC SCATTERING AT THE NATIONAL ACCELERATOR LABORATORY (P031015)*; 12 MONTHS $22,400

BRUECKNER, KEITH A; *MANY-BODY THEORY AND STATISTICAL MECHANICS (P031267 X00)*; 12 MONTHS $75,000

MASEK, GEORGE E; *HIGH ENERGY PHYSICS (P032565)*; 12 MONTHS $320,000

SWANSON, ROBERT A; *ELEMENTARY PARTICLES (P032751)*; 12 MONTHS $55,200

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

HARTLE, JAMES B; *GENERAL RELATIVITY AND RELATIVISTIC ASTROPHYSICS (P034622 X00)*; 12 MONTHS $29,000

SAWYER, RAYMOND F, FULCO, J R, AND SUGAR, R L; *PROBLEMS IN THEORETICAL PHYSICS (P034637 X00)*; 12 MONTHS $73,000

COLORADO

UNIVERSITY OF COLORADO

SMITH, STEPHEN J; *LOW ENERGY INTERACTIONS OF ELECTRONS WITH HYDROGENIC ATOMS (P017174 001)*; 24 MONTHS $74,900

DREITLEIN, JOSEPH, AND WYSS, WALTER; *A PROGRAM IN MATHEMATICAL PHYSICS (P019479 001)*; 12 MONTHS $11,500

SMITH, STEPHEN J; *THE THIRD INTERNATIONAL CONFERENCE ON ATOMIC PHYSICS (P032905)*; 12 MONTHS $5,000

TAN, TAI HO; *HIGH ENERGY PHYSICS (P034560)*; 12 MONTHS $15,000

UNIVERSITY OF DENVER

CHOU, T T; *HIGH ENERGY HADRON-HADRON COLLISIONS (P031552)*; 24 MONTHS $15,000

ASPEN INSTITUTE OF HUMANISTIC STUDIES-ASPEN CENTER FOR PHYSICS INC

STRANAHAN, GEORGE S; *SUMMER WORKSHOP ON CRITICAL PROBLEMS IN PHYSICS (P034875)*; 12 MONTHS $33,000

CONNECTICUT

FAIRFIELD UNIVERSITY

HADJIMICHAEL, E, HARMS, E, AND NEWTON, V; *EXAMINATION OF PARITY-VIOLATING FORCES BY MEANS OF RADIATIVE NEUTRON-DEUTERON CAPTURE (P023714 001)*; 12 MONTHS $16,900

UNIVERSITY OF CONNECTICUT

RAWITSCHER, GEORGE H; *ELECTRON-NUCLEUS AND NUCLEUS-NUCLEUS COLLISIONS (P009227 001)*; 12 MONTHS $16,600

KESSEL, QUENTIN C; *INNER SHELL EXCITATIONS IN HEAVY ION-ATOM COLLISIONS (P034528)*; 12 MONTHS $17,200

YALE UNIVERSITY

HUGHES, VERNON W; *POSITRONIUM RESEARCH (P023722 001)*; 12 MONTHS $68,000

HIRSHFIELD, J L; *BASIC PLASMA PHYSICS (P025943 001)*; 12 MONTHS $127,000

SCHULZ, GEORGE J; *COMPOUND STATES OF ATOMS AND RESONANCES IN ELECTRON SCATTERING (P027563 001)*; $20,000

BOCKELMAN, CHARLES K; *ELECTRON-NUCLEAR SCATTERING (P032189)*; 12 MONTHS $79,500

BERNSTEIN, IRA B; *TOPICS IN THEORETICAL PLASMA PHYSICS (P032374 X00)*; 12 MONTHS $30,000

DISTRICT OF COLUMBIA

AMERICAN UNIVERSITY

WHITE, JOHN A; *CRITICAL POINT PHENOMENA IN FLUIDS (P014118 001)*; 12 MONTHS $33,000

CHERTOK, BENSON T, AND ADLER, RONALD J; *NUCLEAR EXCITATION BY ELECTRONS AND PHOTONS (P016565 002)*; 12 MONTHS $25,000

CATHOLIC UNIVERSITY OF AMERICA

CRANNELL, HALL, BRENNAN, JAMES G, UBERALL, HERBERT M, AND WERNTZ, CARL W; *INVESTIGATION OF NUCLEAR STRUCTURE BY MEANS OF ELECTROMAGNETIC AND WEAK INTERACTIONS (P034391)*; 12 MONTHS $53,100

GEORGETOWN UNIVERSITY

TREADO, PAUL A, AND LAMBERT, JAMES M; *INTERACTION MECHANISMS AND NUCLEAR STRUCTURE USING THREE-BODY-FINAL-STATE REACTIONS (P029167 001)*; 12 MONTHS $25,000

HOWARD UNIVERSITY

GLASS, SOLOMON J, MENDLOWITZ, HAROLD, AND KLEIN, LEWIS S; *THEORETICAL PHYSICS (P008494 001)*; 12 MONTHS $30,000

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

IVEY, JOHN H; *CONSTRUCTION OF A LOW TEMPERATURE GRAVITATIONAL RADIATION DETECTOR (AG00374)*; 12 MONTHS $45,000

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

WOOD, GEORGE W; *COMMITTEE ON LINE SPECTRA OF THE ELEMENTS (C310015 009)*; 36 MONTHS $12,700

REED, C K; *COMMITTEE ON NUCLEAR SCIENCE (C310047 009)*; 12 MONTHS $17,500

FLORIDA

FLORIDA AGRICULTURAL AND MECHANICAL UNIVERSITY

VOURVOPOULOS, GEORGE; *NUCLEAR PHYSICS RESEARCH (P034151)*; 12 MONTHS $34,600

FLORIDA STATE UNIVERSITY

EDWARDS, STEVE, AND ROBSON, DONALD; *THEORETICAL LOW ENERGY NUCLEAR PHYSICS (P015855 001)*; 24 MONTHS $150,000

DAVIS, R H; *NUCLEAR REACTIONS AND SPECTROSCOPY (P025974 001)*; 12 MONTHS $424,000

GEORGIA

GEORGIA INSTITUTE OF TECHNOLOGY

FINK, R W; *INTERNATIONAL CONFERENCE ON INNER SHELL IONIZATION PHENOMENA (P031835)*; 12 MONTHS $6,400

UNIVERSITY OF GEORGIA

STEUER, M F, DUNCAN, M M, AND WOOD, R M; *NUCLEAR PHYSICS (P027929 001)*; 12 MONTHS $80,000

ILLINOIS

ILLINOIS INSTITUTE OF TECHNOLOGY

WARNOCK, ROBERT L; *NONLINEAR ANALYSIS AND STRONG INTERACTIONS (P012632 001)*; 24 MONTHS $23,800

BURNSTEIN, RAY A; *PROPERTIES OF MESONS AND HYPERONS (P028575 001)*; $15,200

BURNSTEIN, RAY A; *PROPERTIES OF ELEMENTARY PARTICLES (P028575 002)*; 12 MONTHS $70,200

NATIONAL ACCELERATOR LABORATORY

GOLDWASSER, EDWIN L; *XVI INTERNATIONAL CONFERENCE ON HIGH ENERGY PHYSICS (AG00388)*; 6 MONTHS $30,000

NORTHWESTERN UNIVERSITY

BROWN, LAURIE M, AUVIL, PAUL R, DESHPANDE, NILENDRA G, KAYSER, BORIS J, AND OAKES, ROBERT J; *THEORY OF THE FUNDAMENTAL PARTICLES (P025203 001)*; 12 MONTHS $70,000

SEGEL, RALPH E; *NUCLEAR STRUCTURE RESEARCH (P025486 001)*; 12 MONTHS $13,000

UNIVERSITY OF CHICAGO

ROOTHAAN, CLEMENS C J; *QUANTUM MECHANICAL STUDIES OF ATOMS AND SMALL MOLECULES* (*P027138 001*); 12 MONTHS $65,200

THOMPSON, R W; *THE NATURE AND INTERACTIONS OF HIGH ENERGY ELEMENTARY PARTICLES* (*P027709 001*); $14,600

PARKER, EUGENE N; *THE NATURE AND INTERACTIONS OF HIGH ENERGY ELEMENTARY PARTICLES* (*P027709 002*); 3 MONTHS $44,900

TELEGDI, V L; *KAON EXPERIMENTS AND FURTHER STUDIES OF MUONIUM* (*P029575 001*); 12 MONTHS $325,000

CRONIN, JAMES W; *HIGH ENERGY PHYSICS* (*P029586 001*); 12 MONTHS $240,000

GELFAND, N M; *BUBBLE CHAMBER PHYSICS* (*P029663 001*); 12 MONTHS $21,000

LEVI SETTI, R; *HYPERON RESONANCE FORMATION IN THE 1 GEV/C REGION* (*P029708 001*); 12 MONTHS $70,000

HILDEBRAND, R H; *EXPERIMENTAL STUDIES OF RARE LEPTONIC AND SEMI-LEPTONIC PROCESSES* (*P029717 001*); 12 MONTHS $75,000

ANDERSON, H L, WRIGHT, S C, AND MO, LUKE W; *INELASTIC SCATTERING OF MUONS AT NAL* (*P029973 001*); 12 MONTHS $445,000

WINSTON, ROLAND; *EXPERIMENTAL STUDY OF WEAK INTERACTIONS* (*P032534*); 12 MONTHS $149,000

NAMBU, YOICHIRO; *ELEMENTARY PARTICLE PHYSICS* (*P032904 X00*); 12 MONTHS $230,000

ANDERSON, H L; *HIGH ENERGY PHYSICS RESEARCH AT THE BEVATRON* (*P034610*); 12 MONTHS $24,000

CHANDRASEKHAR, S; *GRAVITATIONAL PHYSICS AND RELATIVISTIC ASTROPHYSICS* (*P034721 X00*); 12 MONTHS $89,200

UNIVERSITY OF ILLINOIS AT URBANA

BAYM, GORDON, AND WORTIS, MICHAEL; *PROPERTIES OF SOLIDS AND MANY PARTICLE SYSTEMS* (*P016886 001**); 24 MONTHS $39,550

RAVENHALL, D G, AND WYLD, H W JR; *THEORETICAL PARTICLE PHYSICS* (*P025303 001*); 12 MONTHS $129,000

FRAUENFELDER, HANS, AND DEBRUNNER, PETER G; *NUCLEAR PHYSICS AND RELATED SUBJECTS* (*P026282 001*); 12 MONTHS $100,000

AXEL, PETER; *SUPERCONDUCTING ELECTRON ACCELERATOR AND NUCLEAR STRUCTURE RESEARCH* (*P028413 001*); 12 MONTHS $300,000

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

BENT, R D, EMERY, G T, MILLER, D W, LANGER, L M, AND SINGH, P P; *NUCLEAR STRUCTURE AND NUCLEAR PROCESSES* (*P028181 001*); 12 MONTHS $650,000

MARTIN, HUGH J, ALYEA, ETHAN D JR, CALLOWAY, KENNETH F, MERCER, ROBERT A, AND MOTT, JACK E; *ELEMENTARY PARTICLE INTERACTIONS USING BUBBLE CHAMBERS* (*P028879 001*); 12 MONTHS $115,000

NEWTON, ROGER G; *INVESTIGATIONS IN THE THEORY AND INTERPRETATION OF PARTICLE COLLISIONS* (*P031257*); 24 MONTHS $52,000

PURDUE UNIVERSITY

STEFFEN, ROLF M, AND SCHARENBERG, ROLF P; *NUCLEAR STRUCTURE RESEARCH WITH AN FN TANDEM VAN DE GRAAFF ACCELERATOR* (*P032082*); 12 MONTHS $200,000

UNIVERSITY OF NOTRE DAME

KENNEY, V PAUL, AND POIRIER, JOHN A; *ELEMENTARY PARTICLE INTERACTIONS* (*P026291 001*); 12 MONTHS $258,500

BROWNE, CORNELIUS P; *NUCLEAR STRUCTURE RESEARCH* (*P027456 001*); 12 MONTHS $425,000

MIHELICH, JOHN W; *AN INVESTIGATION OF NUCLEAR ENERGY LEVELS* (*P032033*); 12 MONTHS $86,900

MARSHALEK, EUGENE R, AND SHANLEY, PAUL E; *THEORETICAL STUDIES OF NUCLEAR STRUCTURE AND REACTIONS* (*P032167 X00*); 12 MONTHS $21,000

JOHNSON, WALTER R; *APPLICATIONS OF QUANTUM ELECTRODYNAMICS TO PROCESSES OF CURRENT INTEREST IN ATOMIC, NUCLEAR, AND ELEMENTARY PARTICLE PHYSICS* (*P032217 X00*); 12 MONTHS $23,500

KANSAS

UNIVERSITY OF KANSAS

AMMAR, RAYMOND G, AND STUMP, ROBERT; *HIGH ENERGY INTERACTIONS USING BUBBLE CHAMBERS* (*P028316 001*); 12 MONTHS $97,000

KRONE, RALPH W, AND PROSSER, F W JR; *NUCLEAR STRUCTURE STUDIES OF LIGHT AND MEDIUM LIGHT NUCLEI* (*P032053*); 12 MONTHS $100,000

KENTUCKY

UNIVERSITY OF KENTUCKY

KERN, B D, AND MCELLISTREM, M T; *NUCLEAR STRUCTURE AND NUCLEAR REACTION MECHANISMS* (*P028039 002*); 6 MONTHS $70,000

LOUISIANA

LOUISIANA STATE UNIVERSITY, BATON ROUGE

HUSSEY, ROBERT G; *UNSTEADY FLOW IN VISCOUS FLUIDS* (*P015520 001*); 12 MONTHS $20,300

HAMILTON, WILLIAM O; *EXPERIMENTAL INVESTIGATIONS IN GRAVITATION* (*P029740 002*); 12 MONTHS $109,500

TULANE UNIVERSITY

DURHAM, FRANK E, WILENZICK, RAYMOND M, AND BUCCINO, SALVATORE G; *OPERATION OF A NUCLEAR PHYSICS LABORATORY* (*P027338 001*); 12 MONTHS $79,900

MARYLAND

JOHNS HOPKINS UNIVERSITY

PEVSNER, AIHUD; *HIGH ENERGY PARTICLE PHYSICS* (*P017148 001*); 12 MONTHS $339,200

JUDD, B R, AND ARMSTRONG, LLOYD JR; *THEORY OF ATOMIC STRUCTURE* (*P032071*); 24 MONTHS $47,600

CROSSWHITE, H M; *OPTICAL SPECTROSCOPY OF IONS AND MOLECULES* (*P034557*); 12 MONTHS $43,000

UNIVERSITY OF MARYLAND, COLLEGE PARK

KRISHER, LAWRENCE C; *MOLECULAR PROPERTIES FROM MICROWAVE SPECTROSCOPIC STUDIES* (*P014306 001*); 24 MONTHS $44,700

GRIEM, H R, AND DESILVA, A W; *PLASMA HEATING, LIGHT SCATTERING AND SPECTROSCOPY* (*P016246 001*); 24 MONTHS $145,000

MISNER, CHARLES W; *THEORETICAL STUDIES OF GRAVITY* (*P017673 001*); $12,400

GREENBERG, O W, AND ONEDA, S; *ELEMENTARY PARTICLE THEORY AND QUANTUM FIELD THEORY* (*P020709 001*); 12 MONTHS $89,000

WEBER, JOSEPH; *GRAVITATIONAL RADIATION EXPERIMENTS* (*P022562 002*); 12 MONTHS $200,000

YODH, GAURANG B; *STRONG INTERACTIONS FROM 100 GEV TO 5000 GEV* (*P025305 001*); 12 MONTHS $289,500

TRIVELPIECE, A W, PECHACEK, R E, AND DAVIDSON, R C; *HIGH TEMPERATURE PLASMAS* (*P027135 001*); 12 MONTHS $215,000

BENESCH, WILLIAM M, COPLAN, M A, AND WILKERSON, T D; *ATOMIC AND MOLECULAR PROCESSES BEARING ON PHENOMENA* (*P029255 001*); 12 MONTHS $88,300

DORFMAN, J ROBERT; *STATISTICAL PHYSICS* (*P029385 001*); 12 MONTHS $11,000

REISER, M P, ZORN, G T, AND KIM, HOGIL; *AN ELECTRON RING ACCELERATOR WITH STATIC COMPRESSION SYSTEM* (*P029706 001*); 12 MONTHS $376,000

SUCHER, JOSEPH, AND DRAGT, ALEX; *FOUNDATIONS OF RELATIVISTIC QUANTUM THEORY, INTERACTIONS OF HADRONS, AND ELECTROMAGNETIC INTERACTIONS OF ELEMENTARY SYSTEMS* (*P032418*); 12 MONTHS $57,000

MISNER, CHARLES W; *THEORETICAL STUDIES OF GRAVITY* (*P034022 X00*); 12 MONTHS $51,500

MARTIN, FREDERICK W; *X-RAY PRODUCTION BY HEAVY IONS* (*P034874*); 12 MONTHS $43,300

MASSACHUSETTS

HARVARD UNIVERSITY

RAMSEY, NORMAN F; *A NEUTRON ELECTRIC DIPOLE MOMENT EXPERIMENT AT GRENOBLE* (*F031169**); 48 MONTHS $11,000

RAMSEY, NORMAN F; *MOLECULAR BEAM AND HYDROGEN MASER RESEARCH* (*P013547 X01*); 12 MONTHS $90,000

RAMSEY, NORMAN F; *MOLECULAR BEAM AND HYDROGEN MASER RESEARCH* (*P013547 X02*); $20,000

PIPKIN, FRANCIS M; *ATOMIC PHYSICS EXPERIMENTS USING FAST ATOMIC BEAMS AND PHOTON COINCIDENCE TECHNIQUES* (*P022787 001*); 12 MONTHS $69,400

COLEMAN, SIDNEY R, AND GLAUBER, ROY J; *INTERACTIONS OF PARTICLES AND FIELDS* (*P030819 X00*); 12 MONTHS $60,100

JAFFE, ARTHUR M; *MATHEMATICAL PHYSICS* (*P031239 X00**); 12 MONTHS $14,000

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

JAVAN, ALI; *ATOMIC AND MOLECULAR PROCESSES WITH MODERN PRECISION SPECTROSCOPIC TECHNIQUES* (*P015121 001*); $50,000

KLEPPNER, DANIEL; *ATOMIC INTERACTIONS* (*P028679 001*); $24,700

CHENG, HUNG; *HIGH-ENERGY COLLISIONS* (*P029465 001*); 12 MONTHS $25,000

NORTHEASTERN UNIVERSITY

GETTINER, MARVIN, AND WEINSTEIN, ROY; *EXPERIMENTS AT THE NATIONAL ACCELERATOR LABORATORY* (*P025307 001*); $67,200

ARNOWITT, RICHARD, AARON, RONALD, GOLDBERG, HYMAN, AND SRIVASTAVA, YOGENDRA; *PARTICLE THEORY* (*P029649 001*); 18 MONTHS $56,400

SOUTHEASTERN MASSACHUSETTS UNIVERSITY

KERN, WOLFHARD; *HIGH ENERGY COLLIDING E+E- BEAMS WITH A MAGNETIC DETECTOR* (*P033222*); 12 MONTHS $55,300

TUFTS UNIVERSITY

WEAVER, DAVID; *THEORY OF ELEMENTARY PARTICLES* (*P034629*); 12 MONTHS $7,600

UNIVERSITY OF MASSACHUSETTS, AMHERST

KROTKOV, ROBERT V; *SCATTERING OF METASTABLE HYDROGEN ATOMS* (*P010925 002*); 12 MONTHS $24,300

BREHM, JOHN J, AND COOK, LEROY F; *ELEMENTARY PARTICLE THEORY (P015888 001)*; 24 MONTHS $112,200

JONES, PHILLIPS R; *OUTER SHELL EXCITATION IN HEAVY-ATOM COLLISIONS (P016084 002)*; 12 MONTHS $19,000

STERNHEIM, MORTON M; *THEORY OF INTERACTIONS OF MESONS AND NUCLEONS WITH NUCLEI (P016377 001)*; 24 MONTHS $7,000

FREYTAG, DIETRICH; *HIGH ENERGY PHYSICS - COLLABORATIVE EXPERIMENT AT NAL (P033961)*; 12 MONTHS $19,200

WILLIAMS COLLEGE

CRAMPTON, STUART B; *HYDROGEN SPIN EXCHANGE PARAMETERS USING A HYDROGEN MASER (P014599 001)*; 24 MONTHS $40,500

MICHIGAN

MICHIGAN STATE UNIVERSITY

EDWARDS, T H; *MOLECULAR SPECTRA IN THE NEAR INFRARED REGION (P028234 001)*; 12 MONTHS $21,500

BLOSSER, HENRY G; *NUCLEAR PHYSICS PROGRAM (P027483 001)*; 12 MONTHS $775,000

ABOLINS, MARIS A, AND CHEN, K WENDALL; *INELASTIC MUON SCATTERING AND NEUTRON-PROTON SCATTERING (P029070 001)*; 12 MONTHS $31,100

CHEN, K WENDELL; *INELASTIC MUON SCATTERING AND NEUTRON-PROTON SCATTERING (P029070 002)*; 3 MONTHS $96,000

MCMANUS, HUGH; *SCATTERING PROBLEMS AND THE THEORY OF NUCLEAR STRUCTURE (P031265 X00)*; 12 MONTHS $52,500

SIGNELL, PETER; *THE NUCLEON-NUCLEON INTERACTION (P031320 X00)*; 12 MONTHS $40,000

SIGNELL, PETER; *THE NUCLEON-NUCLEON INTERACTION (P031320 X01)*; $5,400

SMITH, GERALD A; *HIGH ENERGY PHYSICS (P031702)*; 12 MONTHS $80,700

UNIVERSITY OF MICHIGAN

FEDERBUSH, PAUL, AND WILLIAMS, DAVID; *APPLICATIONS OF FUNCTIONAL ANALYSIS AND FUNCTION THEORETICAL METHODS IN ELEMENTARY PARTICLE PHYSICS (P017523 001)*; 12 MONTHS $15,000

JONES, LAWRENCE W; *NUCLEON-NUCLEON TOTAL CROSS SECTIONS (P025196 001)*; 12 MONTHS $120,900

HECHT, K T; *NUCLEAR STRUCTURE THEORY (P025864)*; 24 MONTHS $67,100

JONES, LAWRENCE W, LONGO, MICHAEL J, AND OVERSETH, OLIVER E; *ELEMENTARY PARTICLE PHYSICS (P027394 001)*; 12 MONTHS $342,000

WIEDENBECK, M L; *NUCLEAR SPECTROSCOPY (P032032)*; 12 MONTHS $74,400

ZORN, JENS C; *TIME-OF-FLIGHT EXPERIMENTS WITH METATABLE ATOMS AND MOLECULES (P034631)*; 12 MONTHS $44,200

WAYNE STATE UNIVERSITY

PICCIRELLI, R A; *MOLECULAR THEORY OF FLUIDS FOR RAPID VARIATION IN SPACE AND TIME AND FOR STRONG FORCES (P016914 001)*; 12 MONTHS $8,500

MINNESOTA

UNIVERSITY OF MINNESOTA

MOLDOVER, MICHAEL R; *CRITICAL POINT OF PHASE TRANSITIONS (P014431 001)*; 10 MONTHS $17,400

MISSOURI

UNIVERSITY OF MISSOURI, COLUMBIA

SCHMIDT, PAUL W; *SMALL ANGLE X-RAY SCATTERING (P032528 X00)*; 12 MONTHS $17,300

UNIVERSITY OF MISSOURI, ROLLA

PARK, JOHN T; *HEAVY ION ENERGY LOSS SPECTROMETRY (P017425 002)*; 12 MONTHS $25,900

UNIVERSITY OF MISSOURI, ST LOUIS

FOSTER, CHARLES; *ELASTIC SCATTERING OF COMPLEX NUCLEAR-ACCELERATED PARTICLES AT EXTREME BACK ANGLES (P034724)*; 12 MONTHS $14,100

WASHINGTON UNIVERSITY

FEENBERG, EUGENE, AND CLARK, JOHN W; *THE MICROSCOPIC THEORY OF QUANTUM FLUIDS AND EXTENDED NUCLEAR SYSTEMS (H034598*)*; 12 MONTHS $20,050

NEBRASKA

UNIVERSITY OF NEBRASKA AT LINCOLN

RUDD, M EUGENE, JAECKS, DUANE H, BURNS, DONAL, AND MACEK, JOSEPH; *INELASTIC PROCESSES IN ATOMIC COLLISIONS (P015124 001)*; 24 MONTHS $170,000

NEW HAMPSHIRE

UNIVERSITY OF NEW HAMPSHIRE, DURHAM

BALLING, L C; *RF SPECTROSCOPY OF ATOMS AND IONS (P016814 001)*; 12 MONTHS $20,900

NEW JERSEY

INSTITUTE FOR ADVANCED STUDY

DYSON, FREEMAN J, AND BAHCALL, JOHN N; *THEORETICAL PHYSICS (P016147 001)*; 24 MONTHS $240,000

PRINCETON UNIVERSITY

O'NEILL, GERARD K; *COLLIDING BEAMS (P027974 001)*; $14,000

O'NEILL, GERARD K; *DISCRETE AND CONTINUUM EXCITED DATA STATES OF THE PROTON, TO MASSES UP TO 6 GEV (P027974 002)*; 12 MONTHS $130,500

GOLDBERGER, M L; *THEORETICAL PHYSICS (P030738 X00)*; 12 MONTHS $80,000

PEEBLES, P J E; *GRAVITATION, RELATIVITY AND COSMOLOGY (P030799 X00)*; 12 MONTHS $302,400

GARVEY, GERALD T; *LOW ENERGY NUCLEAR PHYSICS (P032884)*; 12 MONTHS $599,600

RUTGERS UNIVERSITY

TEMMER, GEORGES M; *NUCLEAR STRUCTURE RESEARCH WITH A TANDEM ACCELERATOR (P028311 001)*; 6 MONTHS $228,900

PLANO, RICHARD J, AND WATTS, TERENCE L; *ELEMENTARY PARTICLE PHYSICS RESEARCH USING BUBBLE CHAMBERS (P029084 001)*; $4,000

MAGLICH, BOGDAN; *RESEARCH IN ELEMENTARY PARTICLE PHYSICS (P029700 001)*; 12 MONTHS $160,900

DEVLIN, THOMAS J; *EXPERIMENTAL RESEARCH IN ELEMENTARY PARTICLE PHYSICS (P034699)*; 12 MONTHS $40,000

STEVENS INSTITUTE OF TECHNOLOGY

SEIDL, MILOS; *NONLINEAR BEAM PLASMA INTERACTION (P024762 001)*; 12 MONTHS $54,200

SEIDL, MILOS; *NONLINEAR BEAM PLASMA INTERACTION (P024762 002)*; $17,800

ANDERSON, JAMES L; *APPLICATION OF MOMENT METHODS TO PROBLEMS OF RELATIVISTIC TRANSPORT AND RADIATIVE TRANSFER (P034621)*; 12 MONTHS $10,500

NEW YORK

BROOKLYN COLLEGE

FRANCO, VICTOR; *THEORETICAL STUDIES IN MEDIUM AND HIGH-ENERGY NUCLEAR AND ATOMIC PHYSICS AND IN THE THREE-BODY PROBLEM (P016913 001)*; 12 MONTHS $10,000

CITY COLLEGE

RUBIN, KENNETH; *LOW ENERGY ELECTRON-ATOM ELASTIC AND INELASTIC TOTAL AND DIFFERENTIAL CROSS SECTION MEASUREMENTS (P023996 001)*; 12 MONTHS $25,100

SAKITA, BUNJI; *PROBLEMS IN STRONG AND WEAK INTERACTIONS - DUAL THEORY AND INTERMEDIATE BOSONS (P032332)*; 12 MONTHS $50,000

COLUMBIA UNIVERSITY

NOVICK, ROBERT; *METASTABLE AUTOIONIZING ATOMIC STATES AND THE METASTABLE HELIUM ION (P013479 001)*; $25,000

LEDERMAN, LEON M, SACHS, A M, RAINWATER, J, WU, C S, AND DEVONS, SAMUEL; *RESEARCH PROGRAM AND SYNCHROCYCLOTRON OPERATION (P022786 002)*; 12 MONTHS $1,800,000

WU, C S; *LOW ENERGY NUCLEAR PHYSICS AND WEAK INTERACTIONS (P031268)*; 12 MONTHS $150,100

RUDERMAN, M A, AND SPIEGEL, E A; *THEORETICAL ASTROPHYSICS (P032336 X00)*; 12 MONTHS $75,000

LEDERMAN, LEON M, FRANZINI, P, LEE, W, BALTAY, C, AND STEINBERGER, J; *HIGH ENERGY PHYSICS (P033435)*; 12 MONTHS $1,860,000

CORNELL UNIVERSITY

MCDANIEL, B D; *OPERATIONAL SUPPORT OF THE 10 GEV ELECTRON SYNCHROTRON FACILITY (C537000 012*)*; 12 MONTHS $2,630,000

MCDANIEL, B D; *OPERATIONAL SUPPORT OF THE 10 GEV ELECTRON SYNCHROTRON FACILITY (C537000 013*)*; $40,000

FLEISCHMANN, H H; *CHARGE EXCHANGE AND STRIPPING IN HEAVY-ATOM COLLISIONS (P009501 001)*; 12 MONTHS $37,100

OREAR, JAY, AND PEOPLES, JOHN; *HIGH ENERGY PARTICLE INTERACTIONS (P015214 001)*; 12 MONTHS $144,400

BETHE, HANS A; *THEORETICAL NUCLEAR AND ELEMENTARY PARTICLE PHYSICS (P020006 001)*; 12 MONTHS $200,000

HAND, LOUIS N; *SCALE INVARIANCE OF HIGH MOMENTUM TRANSFER MUON INELASTIC SCATTERING (P028317 001)*; 12 MONTHS $97,800

GITTELMAN, BERNARD, AND LOH, EUGENE C; *HIGH ENERGY PROTON-PROTON INTERACTIONS (P029543 001)*; 12 MONTHS $57,700

MCDANIEL, B D; *1971 INTERNATIONAL SYMPOSIUM ON ELECTRON AND PHOTON INTERACTIONS AT HIGH ENERGIES (P030226)*; 12 MONTHS $3,000

FORDHAM UNIVERSITY

WEBER, ALFONS; *HIGH RESOLUTION RAMAN SPECTROSCOPY OF GASES (P034640)*; 12 MONTHS $21,800

NEW YORK UNIVERSITY

STROKE, H HENRY; *HIGH-RESOLUTION OPTICAL MEASUREMENTS, ATOMIC HYPERFINE STRUCTURE AND ISOTOPE SHIFT (P015258 001)*; 24 MONTHS $100,200

STROKE, H HENRY; *HIGH-RESOLUTION OPTICAL MEASUREMENTS, ATOMIC HYPERFINE STRUCTURE AND ISOTOPE SHIFT (P015258 002)*; $4,110

ROSENBERG, LEONARD; *MULTIPARTICLE SCATTERING PROBLEMS (P016427 001)*; 24 MONTHS $12,100

ROSENBERG, LEONARD; *MULTIPARTICLE SCATTERING PROBLEMS (P016427 002)*; $12,100

BROWN, HOWARD H, AND BEDERSON, BENJAMIN; *ATOM BEAM-PLASMA INTERACTION STUDIES AND PLASMAS IN THERMODYNAMIC EQUILIBRIUM (P017193 001)*; 12 MONTHS $56,000

GLIMM, JAMES; *QUANTUM FIELD THEORY (P024003 001*)*; 12 MONTHS $23,400

CUMMINS, HERMAN Z, AND SWINNEY, HARRY L; *LIGHT SCATTERING STUDIES OF FLUIDS (P031428)*; 24 MONTHS $76,100

BUDICK, BURTON; *SOFT X-RAYS FROM MUONIC, PIONIC AND KAONIC HYDROGEN ATOMS (P034527)*; 12 MONTHS $44,800

STATE UNIVERSITY AT STONY BROOK

LEE, LINWOOD L JR; *OPERATION OF THE STONY BROOK NUCLEAR STRUCTURE LABORATORY (P028037 001)*; 9 MONTHS $200,100

LEE-FRANZINI, JULIET; *DIFFRACTIVE STUDIES OF HADRONS AND DECAY OF THE KS MESON (P032949)*; 12 MONTHS $180,100

GOOD, MYRON L, AND KIRZ, JANOS; *EXPERIMENTAL HIGH ENERGY PHYSICS RESEARCH USING COUNTER TECHNIQUES (P032952)*; 12 MONTHS $161,400

YANG, CHEN NING; *THEORETICAL PHYSICS (P032998 X00)*; 12 MONTHS $177,100

SYRACUSE UNIVERSITY

ROHRLICH, FRITZ; *QUANTUM FIELD THEORY AND RELATED PROBLEMS (P012536 001)*; 24 MONTHS $67,100

ROHRLICH, FRITZ; *QUANTUM FIELD THEORY AND RELATED PROBLEMS (P012536 002)*; $6,600

GOLDBERG, MARVIN, HORWITZ, NAHMIN, KALOGEROPOULOS, TED E, AND MONETI, GIANCARLO; *EXPERIMENTAL ELEMENTARY PARTICLE PHYSICS (P031615)*; 12 MONTHS $300,500

BERGMANN, PETER G, AND GOLDBERG, JOSHUA N; *GENERAL RELATIVITY (P034641 X00)*; 12 MONTHS $49,500

UNIVERSITY OF ROCHESTER

THORNDIKE, EDWARD H, AND LOBKOWICZ, FREDERICK; *HIGH ENERGY PHOTOPRODUCTION STUDIES (P027303 001)*; 12 MONTHS $180,600

ALFORD, W P; *OPERATION OF NUCLEAR STRUCTURE RESEARCH LABORATORY (P027470 001)*; 12 MONTHS $775,000

STROUD, CARLOS; *NON-LINEAR AND PARAMETRIC RESPONSE OF ATOMS TO A RESONANT FIELD (P030573)*; 24 MONTHS $19,000

DOUGLASS, DAVID H; *NATURE OF EXTRATERRESTRIAL SOURCES OF GRAVITATIONAL RADIATION (P034142)*; 12 MONTHS $59,300

YESHIVA UNIVERSITY

CAMERON, A G W; *NUCLEOSYNTHESIS AND ASTROPHYSICS (P031227 X00*)*; 12 MONTHS $35,000

GENERAL ELECTRIC COMPANY-RESEARCH AND DEVELOPMENT CENTER

HART, EDWARD W; *TENTH ANNUAL EASTERN THEORETICAL PHYSICS CONFERENCE, OCTOBER 29-30, 1971 (P031090)*; 12 MONTHS $3,100

NORTH CAROLINA

DUKE UNIVERSITY

BIEDENHARN, L C, CUSSON, R Y, AND HAN, M Y; *THEORETICAL PHYSICS (P014116 001)*; 24 MONTHS $80,000

GORDY, WALTER; *DEVELOPMENT AND APPLICATION OF SUBMILLIMETER RADIO WAVES (P034590)*; 12 MONTHS $60,000

OHIO

CASE WESTERN RESERVE UNIVERSITY

ROBINSON, D K; *PARTICLE INTERACTIONS IN THE DEUTERIUM BUBBLE CHAMBER (P031390)*; 12 MONTHS $131,600

KOWALSKI, K L; *THEORETICAL STUDIES IN NUCLEAR STRUCTURE AND SCATTERING (P032339 X00)*; 12 MONTHS $89,100

BROWN, ROBERT W; *THEORETICAL ELEMENTARY PARTICLE PHYSICS (P033119)*; 24 MONTHS $14,000

OHIO STATE UNIVERSITY

HAUSMAN, H J, ARNS, R G, DONOGHUE, T R, AND BLATT, S LESLIE; *NUCLEAR PHYSICS RESEARCH WITH A 5.5 MEV VAN DE GRAAFF ACCELERATOR (P010763 004)*; 8 MONTHS $100,000

UNIVERSITY OF CINCINNATI

RUSSELL, JAMES E; *CASCADE IN MESONIC ATOMS (P020889 001)*; 12 MONTHS $8,000

NUSSBAUM, MIRKO M; *ELEMENTARY PARTICLE INTERACTIONS (P032850)*; 12 MONTHS $48,700

OREGON

OREGON STATE UNIVERSITY

MADSEN, VICTOR A; *THEORETICAL LOW ENERGY NUCLEAR PHYSICS (P031553)*; 24 MONTHS $22,500

UNIVERSITY OF OREGON - EUGENE

LEFEVRE, H W, MCDANIELS, D K, AND OVERLEY, J C; *NEUTRON PHYSICS AND ELECTROMAGNETIC TRANSITIONS IN NUCLEI (P031997)*; 12 MONTHS $143,000

PENNSYLVANIA

CARNEGIE-MELLON UNIVERSITY

KISSLINGER, L S, AND SORENSEN, R A; *THEORETICAL NUCLEAR PHYSICS (P031323 X00)*; 12 MONTHS $60,000

DREXEL UNIVERSITY

GELLER, KENNETH N; *REACTION STUDIES AT TANDEM BOMBARDING ENERGIES (P024680 001)*; 12 MONTHS $20,000

LEHIGH UNIVERSITY

MCLENNAN, JAMES A; *NONEQUILIBRIUM STATISTICAL MECHANICS AND KINETIC THEORY (P013517 002)*; 12 MONTHS $15,000

PENNSYLVANIA STATE UNIVERSITY

WIGGINS, T A, AND PLIVA, JOSEF; *PRECISION INFRARED SPECTROSCOPY AND LIGHT SCATTERING (P013054 002)*; 12 MONTHS $10,000

TEMPLE UNIVERSITY

HAVAS, PETER; *RELATIVISTIC THEORY OF INTERACTING PARTICLES (P014123 001)*; 12 MONTHS $25,000

GREEN, MELVILLE S; *STATISTICAL MECHANICS (P016336 001)*; 24 MONTHS $91,000

UNIVERSITY OF PENNSYLVANIA

MIDDLETON, ROY, AND STEPHENS, WILLIAM; *NUCLEAR RESEARCH WITH TANDEM ACCELERATOR (P009281 004)*; 6 MONTHS $283,200

AMADO, R D, AND PRIMAKOFF, HENRY; *THEORETICAL PHYSICS (P033959 X00)*; 12 MONTHS $35,000

UNIVERSITY OF PITTSBURGH

FITE, WADE L; *ATOMIC HYDROGEN COLLISION STUDIES (P017637 001)*; 12 MONTHS $86,500

JANIS, ALLEN I, AND NEWMAN, EZRA T; *RADIATION AND SINGULARITIES IN GRAVITATIONAL THEORY (P022789 001)*; 12 MONTHS $30,000

COHEN, BERNARD L, DAEHNICK, WILFRIED W, MCGRUER, JAMES N, SALADIN, JURG X, AND MAHER, JAMES V; *NUCLEAR STRUCTURE AND NUCLEAR REACTIONS (P028318 001)*; 6 MONTHS $280,000

PRATT, R H; *THEORY OF QUANTUM ELECTRODYNAMIC PROCESSES IN THE FIELD OF AN ATOM (P032798)*; 12 MONTHS $35,000

CLELAND, W E, AND ENGELS, E JR; *EXCITED STATES OF HYPERONS (P034633)*; 12 MONTHS $100,300

FRANKLIN INSTITUTE-BARTOL RESEARCH FOUNDATION

METZGER, F R; *NUCLEAR STRUCTURE STUDIES USING PHOTONS (P032858)*; 12 MONTHS $65,000

RHODE ISLAND

GORDON RESEARCH CONFERENCES

CRUICKSHANK, ALEXANDER M; *GORDON CONFERENCE ON PLASMA PHYSICS (P033128)*; 12 MONTHS $2,400

TENNESSEE

OAK RIDGE NATIONAL LABORATORY

LIVINGSTON, ROBERT S; *INTERNATIONAL CONFERENCE ON MULTIPLY-CHARGED HEAVY ION SOURCES AND ACCELERATING SYSTEMS (AG00285)*; 12 MONTHS $4,600

VANDERBILT UNIVERSITY

PINKSTON, WILLIAM T; *NUCLEAR STRUCTURE ASPECTS OF DIRECT REACTIONS (P015071 001)*; 12 MONTHS $12,400

PANVINI, R S, AND WEBSTER, M S; *BUBBLE CHAMBER STUDIES OF SELECTED HIGH-ENERGY HADRONIC COLLISIONS (P024451 001)*; 12 MONTHS $176,700

HAMILTON, JOSEPH H, AND ALBRIDGE, ROYAL G; *EXPERIMENTAL NUCLEAR SPECTROSCOPY (P027317 001)*; 12 MONTHS $65,800

KUMAR, KRISHNA; *QUASI-MICROSCOPIC THEORY OF NUCLEAR STRUCTURE (P034654)*; 12 MONTHS $8,000

ATOMIC ENERGY COMMISSION-OAK RIDGE OPERATIONS OFFICE-AEC

MARTIN, JOHN A; *EVALUATION SERVICES (CA07500)*; 13 MONTHS $1,500

TEXAS

BAYLOR UNIVERSITY

POWERS, DARDEN; *ENERGY LOSS OF ALPHA PARTICLES IN MATTER (P018722 001)*; 12 MONTHS $20,700

TEXAS A & M UNIVERSITY

SUGIHARA, T T; *CYCLOTRON-BASED NUCLEAR PHYSICS (P032055)*; 12 MONTHS $250,000

TEXAS TECH UNIVERSITY

QUADE, C RICHARD; *INTERNAL ROTATION IN ASYMMETRIC-ASYMMETRIC MOLECULES* (P025894 008); 12 MONTHS $18,200

UNIV OF TEXAS AT AUSTIN

GENTLE, KENNETH W; *EXPERIMENTAL STUDY OF STRONG PLASMA TURBULENCE* (P013748 002); 24 MONTHS $152,500

ARNETT, W DAVID, AND DAVIDS, CARY N; *NUCLEAR ASTROPHYSICS-EXPERIMENTAL AND THEORETICAL* (P023282 001); 12 MONTHS $40,000

OAKES, MELVIN E; *NON-LINEAR LOWER HYBRID WAVES* (P023738 001); 12 MONTHS $16,000

DRUMMOND, WILLIAM E; *OBLIQUE COLLISIONLESS SHOCK WAVES IN PLASMA* (P027178 001); 12 MONTHS $110,000

DRUMMOND, WILLIAM E; *OBLIQUE COLLISIONLESS SHOCK WAVES IN PLASMA* (P027178 002); $27,100

DEWITT, BRYCE S; *THE ROLE OF GRAVITATION IN PHYSICS* (P032039); 24 MONTHS $63,300

SCHILD, ALFRED, SHEPLEY, LAWRENCE C, AND MATZNER, RICHARD A; *RELATIVITY AND GRAVITATIONAL THEORIES* (P034639 X00); 12 MONTHS $46,000

UNIV OF TEXAS AT DALLAS

OZSVATH, ISTVAN, RINDLER, WOLFGANG, AND ROBINSON, IVOR; *GENERAL RELATIVITY* (P029821 001); 12 MONTHS $27,500

UNIVERSITY OF HOUSTON

SHELDON, WILLIAM R; *COSMIC RAY MUON INVESTIGATIONS* (P030615); 18 MONTHS $32,700

UTAH

UNIVERSITY OF UTAH

KEUFFEL, J W; *COSMIC RAY MUONS AND NEUTRINOS* (P024452 001); 24 MONTHS $451,400

VIRGINIA

UNIVERSITY OF VIRGINIA

ZIOCK, KLAUS O H; *FRACTIONALLY CHARGED PARTICLES* (P015020); 12 MONTHS $7,300

LOWRY, R A; *DETERMINATION OF NEWTON'S GRAVITATIONAL CONSTANT, G, WITH IMPROVED PRECISION* (P034590); 12 MONTHS $29,000

VIRGINIA POLYTECHNIC INSTITUTE

COLLINS, GEORGE B; *MULTIGAMMA EVENTS FROM MAGNETIC MONOPOLE PAIRS* (P034529); 24 MONTHS $50,000

JENKINS, DAVID; *NUCLEAR AND PARTICLE EXPERIMENTS AT ARGONNE, BROOKHAVEN AND LAMPF* (P034618); 12 MONTHS $70,000

COLLEGE OF WILLIAM AND MARY-CHRISTOPHER NEWPORT COLLEGE

SIEGEL, ROBERT T; *OPERATIONAL SUPPORT OF SYNCHRO-CYCLOTRON RESEARCH* (P034901); 12 MONTHS $67,300

WASHINGTON

UNIVERSITY OF WASHINGTON

DEHMELT, HANS G; *ISOLATED ATOMIC PARTICLES FLOATING AT REST IN FREE SPACE* (P021467 001); 12 MONTHS $46,800

FORTSON, E NORVAL; *SPIN ORIENTED STATES OF ATOMS AND IONS USING EXCHANGE COLLISION TECHNIQUES* (P023287 001); 12 MONTHS $30,000

WILLIAMS, ROBERT W, AND COOK, VICTOR; *ELEMENTARY PARTICLE PHYSICS USING HIGH ENERGY ACCELERATORS* (P023573 001); 12 MONTHS $424,900

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

FITZSIMMONS, W A; *ELECTRONS, IONS, EXCITED ATOMS, AND EXCITONS IN NOBLE GASES, LIQUIDS, AND SOLIDS* (P011704 001); 24 MONTHS $54,900

MCVOY, KIRK W; *NUCLEAR THEORY* (P015198 001); 24 MONTHS $67,800

UNIVERSITY OF WISCONSIN, MILWAUKEE

PARKER, LEONARD; *QUANTIZED FIELDS AND PARTICLE CREATION IN THE EARLY UNIVERSE* (P019432); 12 MONTHS $13,200

CHEMISTRY

ALABAMA

ALABAMA AGRICULTURAL AND MECHANICAL UNIVERSITY

EVANS, RICHARD A; *COSIP D RESEARCH INITIATION - NOVEL REARRANGEMENT REACTIONS OF SOME MEDIUM RING COMPOUNDS* (Y010460); 15 MONTHS $17,600

UNIVERSITY OF ALABAMA, TUSCALOOSA

ATWOOD, JERRY L; *ANIONIC ORGANOALUMINUM COMPLEXES* (P024852); 24 MONTHS $22,500

ABRAMOVITCH, R A; *THE CHEMISTRY OF NITRENES AND RELATED INTERMEDIATES* (P033361 X00); 12 MONTHS $35,200

ARIZONA

ARIZONA STATE UNIVERSITY

MOELLER, THERALD; *COMPLEXATION OF LANTHANIDE IONS IN NON-AQUEOUS MEDIA* (P015941 001); 24 MONTHS $43,300

JUVET, RICHARD S JR; *INORGANIC AND PHOTOLYTIC DEGRADATION GLC. MEDICINAL INGREDIENTS IN CHINESE HERBS* (P025553 001); 24 MONTHS $74,000

UNIVERSITY OF ARIZONA

BURKE, MICHAEL F; *THERMODYNAMIC STUDIES OF GAS-SOLID CHROMATOGRAPHY* (P017332 001); 24 MONTHS $28,200

BATES, ROBERT B; *RESONANCE-STABILIZED ANIONS AND RADICALS* (P021115 002); 12 MONTHS $28,800

FERNANDO, QUINTUS; *ORGANIC ANALYTICAL REAGENTS* (P024909 001); $5,000

STEELINK, CORNELIUS; *FREE RADICAL INTERMEDIATES IN THE ENZYMATIC OXIDATION OF LIGNIN PHENOLS* (P032186 X00); 12 MONTHS $32,400

ARKANSAS

UNIVERSITY OF ARKANSAS

FRY, ARTHUR, AND SIMS, LESLIE B; *HEAVY ATOM ISOTOPE EFFECTS IN ORGANIC REACTIONS* (P033488 X00); 12 MONTHS $60,100

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

RICHARDS, JOHN H; *CHEMISTRY OF METALLOCENES* (P008992 X03); 5 MONTHS $9,500

GODDARD, WILLIAM A III; *THEORETICAL STUDY OF THE WAVEFUNCTIONS FOR REACTIONS OF MOLECULES* (P015423 001); 24 MONTHS $49,900

IRELAND, ROBERT E; *THE TOTAL SYNTHESIS OF TRITERPENES* (P030959 X00); 12 MONTHS $51,600

BERGMAN, ROBERT G; *SYNTHESIS AND MECHANISMS OF REACTION OF THREE-MEMBERED RING COMPOUNDS* (P031381 X00); 12 MONTHS $30,000

HAMMOND, GEORGE S; *ORGANOMETALLIC COMPOUNDS IN PHOTOCHEMISTRY AND OXIDATION SYSTEMS* (P031507); 24 MONTHS $69,800

ROBINSON, G WILSE; *VAPOR PHASE NUCLEATION* (P032438 X00); 12 MONTHS $34,300

ROBERTS, JOHN D; *STRUCTURES AND REACTION MECHANISMS OF ORGANIC COMPOUNDS* (P032818 X00); 12 MONTHS $94,200

CALIFORNIA STATE UNIVERSITY, LONG BEACH

MARSI, KENNETH L; *MECHANISMS OF REACTIONS OF PHOSPHORUS HETEROCYCLES* (P025479 001); $5,100

CALIFORNIA STATE UNIVERSITY, LOS ANGELES

FRATIELLO, ANTHONY; *AN NMR STUDY OF COMPLEXES OF BORANE AND BORON TRIHALIDES WITH ORGANIC BASES* (P009517 002); 24 MONTHS $37,000

CALIFORNIA STATE UNIVERSITY, SAN DIEGO

BENNETT, LARRY E; *COORDINATED SULFUR AND POLYNUCLEAR COMPLEXES* (P030612); 24 MONTHS $23,600

RING, MOREY A; *PYROLYSIS OF CATENATED NON-METALLIC HYDRIDES AND REVERSE CARBENE ANALOG INSERTION REACTIONS* (P033490); 24 MONTHS $34,300

CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO

WALKER, FRANCES ANN; *REACTIONS OF COBALT(II) PORPHYRINS* (P034385 X00); 12 MONTHS $11,000

STANFORD UNIVERSITY

ANDERSEN, HANS C; *STATISTICAL MECHANICS OF ATOMIC AND MOLECULAR FLUIDS* (P020058 001); 24 MONTHS $40,000

VAN TAMELEN, EUGENE E; *BIOGENESIS AND BIOGENETICALLY-PATTERNED SYNTHESES OF NATURAL PRODUCTS AND RELATED SUBSTANCES* (P023019 X01); 12 MONTHS $42,900

MCCONNELL, HARDEN, AND JARDETZKY, OLEG; *HIGH FREQUENCY HIGH RESOLUTION NUCLEAR MAGNETIC RESONANCE FACILITY* (P023633); 12 MONTHS $250,000

TAUBE, HENRY; *OXIDATION-REDUCTION MECHANISMS* (P024726 X01); 12 MONTHS $52,500

BRAUMAN, JOHN I; *HYDROGEN TRANSFER REACTIONS* (P027532 001); $9,900

KUHLMANN, KARL F; *APPLICATION OF MAGNETIC RESONANCE TECHNIQUES TO PROBLEMS IN STRUCTURAL CHEMISTRY* (P032050 X00); 12 MONTHS $62,400

JOHNSON, WILLIAM S; *SYNTHETIC STUDIES RELATED TO NATURAL PRODUCTS* (P033486 X00); 12 MONTHS $61,400

UNIVERSITY OF CALIFORNIA, BERKELEY

HILDEBRAND, JOEL H; *PROPERTIES AND SOLUBILITY RELATIONS OF NONELECTROLYTES* (P008480 001); $6,000

DAUBEN, WILLIAM G; *STRUCTURAL STUDIES IN ALICYCLIC SYSTEMS* (P008700 X01); 12 MONTHS $40,000

HEARST, JOHN E; *HYDRODYNAMIC PROPERTIES OF DILUTE POLYMER SOLUTIONS (P028516 X01)*; 12 MONTHS $17,000

STREITWIESER, ANDREW JR; *AB INITIO QUANTUM ORGANIC CHEMISTRY (P029383 X01)*; 12 MONTHS $34,300

HEATHCOCK, CLAYTON H; *STUDIES IN ORGANIC SYNTHESIS (P031321 X00)*; 12 MONTHS $29,700

STREITWIESER, ANDREW JR; *RARE EARTH ORGANOMETALLIC CHEMISTRY (P031803 X00)*; 12 MONTHS $48,400

SCHAEFER, HENRY F III; *ELECTRON CORRELATION IN MOLECULES (P031974)*; 24 MONTHS $43,400

MCCLAIN, WILLIAM M; *TWO-PHOTON MOLECULAR SPECTROSCOPY (P032946 X00)*; 12 MONTHS $45,000

JENSEN, FREDERICK R; *MECHANISMS OF ORGANIC REACTIONS (P033669 X00)*; 12 MONTHS $50,000

MOORE, C BRADLEY; *SPECTROSCOPIC STUDIES OF ENERGY TRANSFER AND APPLICATIONS OF TUNABLE LASERS IN CHEMISTRY (P033894 X00)*; 12 MONTHS $42,000

HARRIS, CHARLES B; *COHERENT MIGRATION OF TRIPLET EXCITONS IN MOLECULAR CRYSTALS (P034086 X00)*; 12 MONTHS $42,600

MILLER, WILLIAM H; *THEORY OF LOW ENERGY ATOMIC AND MOLECULAR COLLISIONS (P034199 X00)*; 12 MONTHS $24,500

GWINN, WILLIAM D; *SPECTROSCOPY AND MOLECULAR STRUCTURE (P034392 X00)*; 12 MONTHS $45,800

UNIVERSITY OF CALIFORNIA, DAVIS

VOLMAN, DAVID; *PHOTOLYSIS OF CHLOROPROPENES, AND REACTIONS OF HYDROXYL RADICALS (P013974 001)*; 9 MONTHS $8,500

ROCK, PETER A; *THERMODYNAMICS OF HYDROGEN, LITHIUM, AND CALCIUM ISOTOPE-EXCHANGE REACTIONS (P033264)*; 24 MONTHS $27,100

UNIVERSITY OF CALIFORNIA, IRVINE

MOORE, HAROLD W; *CHEMISTRY OF AZIDOQUINONES AND RELATED COMPOUNDS (P019268 001)*; 24 MONTHS $38,800

DOEDENS, ROBERT J; *STRUCTURAL STUDIES OF TRANSITION METAL COMPLEXES (P020603 001)*; 24 MONTHS $35,000

LEE, E K C; *TRACER AND LUMINESCENCE STUDIES OF PHOTOCHEMICALLY GENERATED EXCITED MOLECULES (P028010 X01)*; 12 MONTHS $25,500

FLEISCHER, EVERLY B; *NEW DIRECTIONS IN COORDINATION CHEMISTRY (P030660 X00)*; 12 MONTHS $32,500

UNIVERSITY OF CALIFORNIA, LOS ANGELES

LIGHTNER, DAVID A; *OPTICAL ACTIVITY- DISSYMMETRIC CHROMOPHORES, FRONT OCTANT AND ANTI-OCTANT PERTURBERS (P009533 001)*; 12 MONTHS $13,700

REISS, HOWARD; *FURTHER RIGOROUS DEVELOPMENT OF SCALED PARTICLE THEORY (P012408 001)*; 24 MONTHS $35,300

HAWTHORNE, M FREDERICK; *MECHANISM STUDIES RELATED TO THE CHEMISTRY OF POLYHEDRAL BORANES (P014372 X01)*; 12 MONTHS $38,000

JACOBS, THOMAS L; *REACTIONS OF ALLENES (P023207 001)*; 12 MONTHS $10,500

KAESZ, HERBERT D; *TRANSITION METAL CARBONYL HYDRIDES (P023267 X02)*; 12 MONTHS $37,800

FOOTE, CHRISTOPHER S; *CHEMISTRY OF SINGLET OXYGEN AND RELATED TOPICS (P025790 001)*; $27,200

ANET, FRANK A L; *NUCLEAR MAGNETIC RESONANCE IN ORGANIC CHEMISTRY (P027241 001)*; $6,000

REISS, HOWARD; *SUBMICROANALYTICAL CHEMISTRY (P028722 X01)*; 12 MONTHS $42,000

SCOTT, ROBERT L; *LIQUIDS AND SOLUTIONS (P030293 X00)*; 12 MONTHS $29,100

KIVELSON, DANIEL; *LIGHT SCATTERING FROM LIQUIDS (P030753 X00)*; 12 MONTHS $41,600

MCTAGUE, JOHN P; *LIGHT SCATTERING AND INTERMOLECULAR INTERACTIONS (P030810)*; 24 MONTHS $40,000

KIVELSON, DANIEL; *ELECTRONIC PARAMAGNETIC RESONANCE STUDIES OF FREE RADICALS (P032078 X00)*; 12 MONTHS $35,500

TRUEBLOOD, KENNETH N; *DIFFRACTION STUDIES OF ORGANIC CRYSTALS (P032324 X00)*; 12 MONTHS $30,800

LIGHTNER, DAVID A; *PYRROLE PHOTOOXIDATION IN BILIRUBIN AND PORPHYRIN PHOTOCHEMISTRY (P032483 X00)*; 12 MONTHS $25,000

CRAM, DONALD J; *HETEROCROWN AND CARBANION CHEMISTRY (P033533 X00)*; 12 MONTHS $54,800

UNIVERSITY OF CALIFORNIA, RIVERSIDE

SAWYER, DONALD T; *NONAQUEOUS ELECTROCHEMISTRY OF METALLOFLAVIN MODEL COMPOUNDS (P016114 001)*; 24 MONTHS $55,300

OKAMURA, WILLIAM H; *SYNTHESIS, STRUCTURE, AND PROPERTIES OF UNSATURATED NITROGEN HETEROCYCLES (P017576 001)*; 24 MONTHS $39,700

WING, RICHARD M; *INORGANIC STRUCTURAL CHEMISTRY (P019254 002)*; 12 MONTHS $22,500

SCHMIDT, HARTLAND H; *CRITICAL PHENOMENA IN LIQUID-LIQUID AND LIQUID-VAPOR SYSTEMS (P028919 X01)*; 12 MONTHS $25,000

GIBIAN, MORTON J; *FLAVIN REDOX CHEMISTRY AND FLAVOENZYME MECHANISMS (P034389)*; 24 MONTHS $39,900

DARLEY, ELLIS F; *CHARACTERIZATION AND MODIFICATION OF SMOKE PRODUCTION IN THE COMBUSTION OF CELLULOSIC FUELS (P034494)*; 12 MONTHS $34,400

PITTS, JAMES N JR; *CHEMISTRY OF OZONE AND SINGLET OXYGEN (P034524)*; 12 MONTHS $80,200

UNIVERSITY OF CALIFORNIA, SAN DIEGO

MAYER, JOSEPH E; *INTERACTING ATOMS (P030818 X00)*; 12 MONTHS $35,600

SHULER, KURT E, MAYER, JOSEPH E, WEARE, JOHN H, AND WHEELER, JOHN C; *THEORETICAL CHEMISTRY (P032031 X00)*; 12 MONTHS $77,800

BOND, F THOMAS; *SYNTHESIS OF HIGHLY STRAINED COMPOUNDS (P033278)*; 24 MONTHS $40,000

WILSON, KENT R; *PHOTOFRAGMENT SPECTROSCOPY- INVESTIGATION OF DISSOCIATIVE MOLECULAR PROCESSES (P033895 X00)*; 12 MONTHS $135,000

UNIVERSITY OF CALIFORNIA, SAN FRANCISCO

KUNTZ, IRWIN D; *NMR SOLVENT EFFECTS AND INTERMOLECULAR INTERACTIONS (P031564)*; 24 MONTHS $30,400

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

BOWERS, MICHAEL T; *ION CYCLOTRON RESONANCE (P015628 001)*; 4 MONTHS $6,700

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

BERNASCONI, CLAUDE F; *TEMPERATURE-JUMP STUDIES OF MEISENHEIMER COMPLEXES AND RELATED INTERMEDIATES (P025501 X01)*; 12 MONTHS $20,000

BUNNETT, JOSEPH F; *THE CHEMISTRY OF AROMATIC COMPOUNDS (P033698 X00)*; 12 MONTHS $22,300

UNIVERSITY OF SOUTHERN CALIFORNIA

WILMARTH, WAYNE K; *SUBSTITUTION REACTIONS OF OCTAHEDRAL COMPLEX IONS (P007916 X03)*; 12 MONTHS $40,600

BURG, ANTON B; *FLUOROCARBON-PHOSPHINE DERIVATIVES (P017472 001)*; 24 MONTHS $48,000

ADAMSON, ARTHUR W; *PHOTOCHEMISTRY OF COORDINATION COMPOUNDS (P027984 X01)*; 12 MONTHS $20,000

STEPHENS, PHILIP J; *MAGNETIC CIRCULAR DICHROISM (P030705)*; 24 MONTHS $73,600

TAYLOR, HOWARD S; *CALCULATION OF BOUND STATE PROPERTIES AND SCATTERING CROSS SECTIONS (P030710 X00)*; 12 MONTHS $40,300

UNIVERSITY OF CALIFORNIA, SAN DIEGO-REVELLE COLLEGE

SCHRAUZER, GERHARD N; *STUDIES IN INORGANIC, ORGANIC AND BIOINORGANIC CHEMISTRY (P028485 X01)*; 12 MONTHS $104,700

COLORADO

COLORADO STATE UNIVERSITY

SKOGERBOE, RODNEY K; *SPECTROCHEMICAL APPLICATIONS OF LOW POWER MICROWAVE EXCITATION (P021306 001)*; 6 MONTHS $5,000

OSTERYOUNG, R A, AND OSTERYOUNG, J; *ANALYTICAL PULSE POLAROGRAPHY (P031491 X00)*; 12 MONTHS $42,700

MACIEL, GARY E; *SOLVENT EFFECTS ON ^{13}C CHEMICAL SHIFTS (P033429)*; 24 MONTHS $50,100

UNIVERSITY OF COLORADO

KING, EDWARD L; *COMPLEX IONS IN SOLUTION (P007185 X03)*; 12 MONTHS $38,800

CRISTOL, STANLEY J; *MECHANISMS OF CERTAIN ORGANIC REACTIONS (P008913 X03)*; 12 MONTHS $44,000

WILLIAMS, DENIS R; *SYNTHETIC, PHYSICAL AND THEORETICAL CHEMISTRY OF ORGANOSULFUR COMPOUNDS (P010950 001)*; 24 MONTHS $22,900

DEPUY, CHARLES H; *CYCLOPROPANE AND ORGANOMETALLIC CHEMISTRY (P013783 X02)*; 12 MONTHS $41,700

STRICKLER, STEWART J, AND LINEBERGER, W CARL; *CONFERENCE ON RADIATIONLESS PROCESSES IN GAS-PHASE MOLECULES (P032973)*; 12 MONTHS $9,600

LINEBERGER, WILLIAM C; *LASER STUDIES OF MOLECULAR ENERGY TRANSFER PROCESSES (P033666)*; 24 MONTHS $37,000

SHAPIRO, ROBERT H, AND DEPUY, CHARLES H; *GAS PHASE ORGANIC CHEMISTRY IN A FLOWING AFTERGLOW SYSTEM (P033877)*; 12 MONTHS $25,600

UNIVERSITY OF DENVER

MAGEE, CHARLES B; *TERNARY HYDRIDE SYSTEMS (P028600 X01)*; 12 MONTHS $32,500

CONNECTICUT

UNIVERSITY OF CONNECTICUT

STOCK, JOHN T, AND BOBBITT, JAMES M; *ELECTROLYTIC OXIDATION OF NATURALLY OCCURING HETEROCYCLIC PHENOLS (P030574 X00)*; 12 MONTHS $18,200

YALE UNIVERSITY

BERSON, JEROME A; *THERMAL REACTIONS (P011017 X01)*; 12 MONTHS $30,000

CROSS, R JAMES JR; *MOLECULAR SCATTERING* (P011482 001); 24 MONTHS $50,000

SMITH, ALLAN L; *MOLECULAR IONIZATION* (P014310 001); 24 MONTHS $66,200

SMITH, ALLAN L; *MOLECULAR IONIZATION* (P014310 002); $5,800

SUPLINSKAS, RAYMOND J; *EXTENSIONS OF THE KINEMATIC MODEL FOR CHEMICAL REACTION* (P023275 001); 1 MONTHS $2,800

SAUNDERS, MARTIN; *RAPID REARRANGEMENT PROCESSES IN CARBONIUM IONS* (P024299 001); $15,500

ZIEGLER, FREDERICK E; *SYNTHESIS OF INDOLE ALKALOIDS OF BIOGENETIC AND CHEMOTHERAPEUTIC INTEREST* (P030960 X00); 12 MONTHS $29,900

WIBERG, KENNETH B; *MECHANISMS OF OXIDATIVE PROCESSES* (P031836 X00); 12 MONTHS $56,900

WIBERG, KENNETH B; *SYNTHESIS AND PROPERTIES OF BICYCLIC AND TRICYCLIC SMALL RING COMPOUNDS* (P033279 X00); 12 MONTHS $27,700

SCOTT, A I; *BIOGENETIC TYPE SYNTHESIS OF NATURAL PRODUCTS AND THEIR PROGENITORS* (P033505 X00); 12 MONTHS $45,700

BERSON, JEROME A; *THERMAL REACTIONS* (P033909 X00); 12 MONTHS $36,000

DELAWARE

UNIVERSITY OF DELAWARE

MOORE, JAMES; *SYNTHESIS AND REACTIONS OF NITROGEN-CONTAINING BICYCLIC AND SEVEN-MEMBERED RING COMPOUNDS* (P009322 001); 15 MONTHS $6,800

WOOD, ROBERT H; *THERMODYNAMICS OF SOLVENTS WITH HIGH DIELECTRIC CONSTANTS* (P011585 001); 24 MONTHS $44,900

VENANZI, LUIGI M; *SQUARE PLANAR TRANSITION METAL COMPLEXES* (P030682 X00); 12 MONTHS $31,700

NOGGLE, JOSEPH H; *AN EXPERIMENTAL STUDY OF NUCLEAR MAGNETIC RELAXATION* (P033360); 24 MONTHS $32,000

HECK, RICHARD F; *SUBSTITUTION REACTIONS BY ORGANOTRANSITION METAL COMPOUNDS* (P034492 X00); 12 MONTHS $45,000

DISTRICT OF COLUMBIA

CATHOLIC UNIVERSITY OF AMERICA

CHIU, YING-NAN; *ELECTRON SPIN-DEPENDENT RADIATION AND SPIN INTERACTION IN MOLECULES AND CRYSTALS* (P011212 001); 24 MONTHS $28,300

EISCH, JOHN J; *ATTACK AT UNSATURATED CARBON BY ORGANOMETALLIC ELECTROPHILES AND PHOTO-EXCITED REAGENTS* (P028209 X01); 5 MONTHS $19,800

GEORGETOWN UNIVERSITY

POPE, MICHAEL THOR; *ELECTRONIC STRUCTURES OF HETEROPOLY ANIONS* (P010538 001); 24 MONTHS $35,500

HORAK, VACLAV; *STRUCTURE AND REACTIVITY OF SULFUR HETEROAROMATICS* (P019419 001); 7 MONTHS $17,700

DELEVIE, ROBERT; *MEMBRANE ELECTRODE KINETICS* (P02[illegible] 001); $11,000

EARLEY, JOSEPH E; *UNUSUAL REDOX REACTIONS OF OXYIONS* (P032188); 24 MONTHS $67,400

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

PAUL, MARTIN A; *TASK ORDER FOR A STUDY OF A NATIONAL LABORATORY FOR THEORETICAL CHEMISTRY* (C310221*); 12 MONTHS $25,000

PAUL, MARTIN A; *CONFERENCE ON COMPUTATIONAL NEEDS AND RESOURCES IN CRYSTALLOGRAPHY* (C310233); 12 MONTHS $4,000

FLORIDA

FLORIDA STATE UNIVERSITY

HERZ, WERNER; *STUDIES IN TERPENE CHEMISTRY* (P012582 002); 24 MONTHS $55,500

QUAGLIANO, JAMES V; *COORDINATION COMPOUNDS CONTAINING POSITIVELY CHARGED LIGANDS* (P022740 001); 12 MONTHS $19,800

LEFFLER, JOHN E; *THIRD CONFERENCE ON STRUCTURE-ENERGY RELATIONSHIPS* (P031669); 12 MONTHS $5,000

DOUGHERTY, RALPH C; *NEGATIVE CHEMICAL IONIZATION MASS SPECTROMETRY* (P032435); 24 MONTHS $39,000

UNIVERSITY OF FLORIDA

VALA, MARTIN; *SPECTROSCOPY OF CARBONYL COMPOUNDS* (P012740 001); 24 MONTHS $33,800

BATES, ROGER G; *SALT AND SOLVENT EFFECTS ON ANALYTICAL PROCESSES* (P014538 001); 24 MONTHS $56,200

LOWDIN, PER-OLOV, AND OHRN, YNGVE; *QUANTUM CHEMISTRY OF ATOMS AND MOLECULES* (P016666 001); 24 MONTHS $56,100

DEYRUP, JAMES A; *EFFECTS OF UNSHARED ELECTRONS ON ADJACENT REACTING GROUPS* (P017642 001); 24 MONTHS $25,100

PERSON, WILLIS B; *INFRARED INTENSITY STUDIES* (P017818 001); 12 MONTHS $25,700

DOLBIER, WILLIAM R JR; *SIMULTANEITY OF CYCLOADDITIONS AND THERMAL REORGANIZATIONS* (P020598 002); 24 MONTHS $26,100

JONES, WILLIAM M; *CARBOCYCLIC AROMATIC CARBENES AND CARBENE-CARBENE REARRANGEMENTS* (P029681 X01); 12 MONTHS $30,300

MUSCHLITZ, E E JR; *REACTIONS OF METASTABLE ATOMS AND MOLECULES* (P030846 X00); 12 MONTHS $88,300

UNIVERSITY OF MIAMI

CRISS, CECIL M; *THERMODYNAMIC PROPERTIES OF NONAQUEOUS SOLUTIONS OF ELECTROLYTES* (P014537 002); 24 MONTHS $41,900

UNIVERSITY OF SOUTH FLORIDA

STEVENS, BRIAN; *KINETIC STUDIES OF PHOTOPEROXIDATION IN SOLUTION* (P028331 X01); $11,500

STEVENS, BRIAN; *KINETIC STUDIES OF PHOTOPEROXIDATION IN SOLUTION* (P028331 X02); 12 MONTHS $23,900

BRAMAN, ROBERT S; *SAMPLE-DETECTOR INTERFACING BY MEMBRANES* (P031256); 24 MONTHS $21,400

UNIVERSITY OF FLORIDA-ENGINEERING & INDUSTRIAL EXPERIMENT STATION

URONE, PAUL; *REACTIONS AND REACTION PRODUCTS OF SULFUR DIOXIDE IN AIR* (P034258); 12 MONTHS $23,300

GEORGIA

ALBANY STATE COLLEGE

PATTERSON, RUDY V; *COSIP D RESEARCH INITIATION - THE CATALYTIC EFFECT OF TETRAALKYLAMMONIUM IONS ON THE ELECTRON TRANSFER BETWEEN POTASSIUM OCTACYANOTUNGSTATE (IV) AND POTASSIUM HEXACYANOFERRATE (111)* (Y010471); 18 MONTHS $24,400

STEELE, JACK; *COSIP-D RESEARCH INITIATION - METAL-ENZYME COMPLEXES* (Y010472); 18 MONTHS $24,300

MCCRARY, THOMAS J; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y0104[illegible]); 18 MONTHS $24,900

EMORY UNIVERSITY

MENGER, F M; *(1) COMPUTER IDENTIFICATION OF PATHOGENIC BACTERIA (2) THE CHEMICAL DYNAMICS OF ORGANIC REACTIONS IN GELS (3) BILE SALTS AND THEIR COMPLEXES* (P011275 001); 24 MONTHS $29,000

DEMING, STANLEY N; *AUTOMATED DEVELOPMENT OF ANALYTICAL CHEMICAL METHODS USING OPTIMIZATION TECHNIQUES (ADAM-O)* (P032911); 24 MONTHS $33,000

GEORGIA INSTITUTE OF TECHNOLOGY

LIOTTA, CHARLES L; *MECHANISM OF TRANSMISSION OF NON-CONJUGATIVE SUBSTITUENT EFFECTS* (P014437 001); 24 MONTHS $25,000

FELTON, RONALD H; *THE ELECTRONIC STRUCTURE OF METALLOPORPHYRIN IONS* (P017061 001); 24 MONTHS $43,000

ASHBY, E C; *ORGANOMETALLIC COMPOUNDS. MECHANISMS AND STEREOCHEMISTRY OF REACTION* (P031550 X00); 12 MONTHS $31,800

GROVENSTEIN, ERLING JR; *CHEMISTRY OF CARBANIONS* (P033367 X00); 12 MONTHS $28,000

FINK, RICHARD W; *SEMICONDUCTOR ELECTRON AND X-RAY DETECTOR SYSTEM FOR FLUORESCENCE AND AUGER INVESTIGATIONS* (P033522); 24 MONTHS $25,000

MOREHOUSE COLLEGE

MCBAY, HENRY C; *BLACK COLLEGES (FOUR-YEAR)* (Y010448); 30 MONTHS $74,300

MORRIS BROWN COLLEGE

ANDERSON, GLORIA L; *19F CHEMICAL SHIFTS AND INFRARED C-F STRETCHING FREQUENCIES FOR BRIDGEHEAD FLUORIDES* (P034150); 24 MONTHS $66,500

UNIVERSITY OF GEORGIA

ALLINGER, NORMAN L; *CONFORMATIONAL TRANSMISSION* (P015263 001); 24 MONTHS $44,200

HILL, RICHARD K; *STEREOCHEMISTRY OF THERMAL REORGANIZATION REACTIONS* (P028056 X01); 12 MONTHS $21,400

GARST, JOHN F; *MECHANISMS AND REACTIVITY IN ELECTRON TRANSFER AND RELATED REACTIONS* (P029387 X01); 12 MONTHS $22,000

KING, R BRUCE; *TRANSITION METAL ORGANOMETALLIC CHEMISTRY* ([illegible] X00); 12 MONTHS $23,500

KING, R BRUCE; *TRANSITION METAL ORGANOMETALLIC CHEMISTRY* (P031247 X01); $30,000

HERCULES, DAVID M; *ANALYTICAL APPLICATIONS OF ELECTRON SPECTROSCOPY* (P032484 X00); 12 MONTHS $47,100

STORY, PAUL R; *MECHANISMS OF OZONOLYSIS* (P034496 X00); 12 MONTHS $31,700

SMITH, DARWIN W; *DENSITY MATRIX APPROACH TO ATOMIC STRUCTURE* (P034497 X00); 12 MONTHS $24,000

HAWAII

UNIVERSITY OF HAWAII

ANDERMANN, GEORGE; *DEVELOPMENT OF X-RAY SPECTROSCOPIC METHODS* (P008596 001); 12 MONTHS $16,000

HUBBARD, A T; *STRUCTURE AND INFLUENCE OF THE DOUBLE LAYER AT SOLID ELECTRODES* (P019747 001); 24 MONTHS $62,000

ANDERMANN, GEORGE; *INFRARED OPTICAL PROPERTIES OF CRYSTALS* (P033648); 24 MONTHS $35,000

IDAHO

UNIVERSITY OF IDAHO

SHREEVE, JEAN'NE M; *NONMETALLIC INORGANIC AZIDES AND SOME MODEL REACTION SYSTEMS* (P012647 001); 24 MONTHS $53,800

NELSON, ROBERT F; *PREMEDITATED ELECTROSYNTHESIS* (P031199); 12 MONTHS $14,800

ILLINOIS

ILLINOIS INSTITUTE OF TECHNOLOGY

LARSEN, RUSSELL D; *STATISTICAL SPECTRAL ANALYSIS OF CHEMICALLY-RELATED TIME SERIES* (P016760 001); 6 MONTHS $5,000

GUTMAN, DAVID; *DYNAMICS OF FREE RADICAL REACTIONS* (P033455 X00); 12 MONTHS $36,200

NORTHWESTERN UNIVERSITY

FROST, ARTHUR; *ELECTRONIC ENERGY OF SMALL MOLECULES* (P019252 001); 24 MONTHS $43,100

BASOLO, FRED; *METAL NITRENE CHEMISTRY AND METAL COMPLEXES OF MOLECULAR NITROGEN* (P027626 X01); 12 MONTHS $36,800

SMITH, DONALD E; *VOLTAMMETRY WITH VARYING POTENTIALS* (P028748 X01); 12 MONTHS $41,500

BORDWELL, FREDERICK G; *THE FORMATION AND REACTIONS OF CARBANIONS* (P029539 X01); 12 MONTHS $73,700

MARKS, TOBIN J; *CHEMICAL AND SPECTROSCOPIC STUDIES OF ORGANOACTINIDES* (P030623 X00); 12 MONTHS $17,900

MARKS, TOBIN J; *CHEMICAL AND SPECTROSCOPIC STUDIES OF ORGANOACTINIDES* (P030623 X01); $4,100

PEARSON, RALPH G; *ORBITAL SYMMETRY AND THE MECHANISMS OF INORGANIC REACTIONS* (P031060 X00); 12 MONTHS $52,500

VAN DUYNE, RICHARD P; *TIME-CORRELATED SINGLE-PHOTON COUNTING IN ELECTROCHEMILUMINESCENCE AND ANALYSIS* (P032953); 24 MONTHS $47,100

MARSHALL, JAMES A; *NEW SYNTHETIC APPROACHES TO CARBOCYCLIC COMPOUNDS* (P033276 X00); 12 MONTHS $40,900

STAFFORD, FRED E; *THERMODYNAMIC PROPERTIES OF SMALL INORGANIC MOLECULES* (P033362); 12 MONTHS $26,000

ALLRED, A LOUIS; *TRIPOSITIVE ZINC, CADMIUM, AND MERCURY* (P033530); 24 MONTHS $39,500

LAMBERT, JOSEPH B; *BONDING IN ORGANIC AND ORGANOMETALLIC MOLECULES* (P034259 X00); 12 MONTHS $25,000

UNIVERSITY OF CHICAGO

HOLZWARTH, GEORGE M; *THE MEASUREMENT OF OPTICAL ACTIVITY ARISING FROM VIBRATIONAL TRANSITIONS IN MOLECULES* (P008566 001); 24 MONTHS $60,000

CLOSS, GERHARD L; *SMALL RING COMPOUNDS* (P018719 X02); 12 MONTHS $46,700

HALPERN, JACK; *MECHANISMS OF INORGANIC REACTIONS* (P026600 X01); 12 MONTHS $67,800

STOCK, LEON M; *CHEMICAL APPLICATIONS OF ELECTRON PARAMAGNETIC RESONANCE* (P029574 X01); 12 MONTHS $26,100

EATON, PHILIP E; *SYNTHESIS AND CHEMISTRY OF STRAINED POLYCYCLIC SYSTEMS* (P030568 X00); 12 MONTHS $61,800

KLEPPA, OLE J; *THERMODYNAMIC PROPERTIES OF FUSED SALT MIXTURES* (P030847 X00); 12 MONTHS $35,100

HUTCHISON, CLYDE A JR, *MAGNETIC RESONANCE INVESTIGATIONS OF ORGANIC MOLECULES IN TRIPLET STATES* (P032005); 24 MONTHS $220,000

LEVY, DONALD H; *RADIO FREQUENCY SPECTROSCOPY OF EXCITED STATES AND SHORT-LIVED SPECIES* (P032014 X00); 12 MONTHS $46,000

YANG, N C; *PHOTOCHEMISTRY OF ORGANIC COMPOUNDS* (P032278 X00); 12 MONTHS $64,000

GOMER, ROBERT; *FIELD EMISSION AND ADSORPTION STUDIES* (P032848 X00); 12 MONTHS $75,600

RICE, STUART A; *EXPERIMENTAL AND THEORETICAL STUDIES OF LIQUIDS, SURFACES AND CHEMICAL CONTROL MECHANISMS* (P032910 X00); 12 MONTHS $86,100

LIGHT, JOHN C; *THEORETICAL CHEMISTRY* (P033656 X00); 12 MONTHS $37,500

HINZE, JUERGEN; *QUANTUM MECHANICAL STUDIES OF MOLECULAR STRUCTURE* (P033892 X00); 12 MONTHS $45,900

KLUGER, RONALD H; *MODELS FOR THE BIOCHEMICAL UTILIZATION OF ANHYDRIDES* (P034926 X00); 12 MONTHS $13,200

UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE

CARLIN, RICHARD L; *MAGNETISM AND MAGNETIC TRANSITIONS* (P012106 001); 24 MONTHS $50,800

CHURCHILL, MELVYN; *STRUCTURAL STUDIES IN TRANSITION-METAL CHEMISTRY* (P033018); 24 MONTHS $43,900

BOYER, JOSEPH H; *ORGANIC CYANIDES AND ISOCYANIDES* (P033275 X00); 12 MONTHS $47,100

WALTER, ROBERT I; *SUBSTITUTION EFFECTS ON PROPERTIES OF STABLE FREE RADICALS* (P033518 X00); 12 MONTHS $21,600

BURNS, RICHARD P; *MOLECULAR BEAM-SURFACE INTERACTIONS -- HIGH TEMPERATURE CHEMISTRY* (P034380); 24 MONTHS $45,000

UNIVERSITY OF ILLINOIS AT URBANA

LEONARD, NELSON J; *STRUCTURAL STUDIES ON MEDIUM- AND SMALL-RING COMPOUNDS* (P008407 X02); 12 MONTHS $50,200

FLYGARE, W H; *HIGH RESOLUTION MICROWAVE SPECTROSCOPY* (P012382 X02); 12 MONTHS $67,000

MARTIN, JAMES C; *ORGANIC CHEMISTRY* (P013331 001); $3,500

SECREST, DON; *COMPUTER STUDIES OF INELASTIC COLLISIONS* (P016458 001); 24 MONTHS $30,000

YARDLEY, JAMES T; *MOLECULAR ENERGY TRANSFER AND EXCITED-STATE DYNAMICS* (P019068 002); 12 MONTHS $23,400

JONAS, JIRI; *NUCLEAR MAGNETIC RESONANCE STUDY OF RELAXATION PHENOMENA* (P028268 X01); 12 MONTHS $37,400

BROWN, THEODORE L; *ORGANOMETALLIC CHEMISTRY* (P030256 X00); 12 MONTHS $57,200

MARTIN, JAMES C; *REACTIVE INTERMEDIATES USEFUL IN SYNTHESIS* (P030491 X00); 12 MONTHS $47,700

LOMBARDI, JOHN R; *HIGH RESOLUTION ELECTRONIC SPECTROSCOPY* (P030709 X00); 12 MONTHS $32,100

STUCKY, GALEN D; *STRUCTURAL PROPERTIES OF GROUP I, II, AND III ORGANOMETALLIC COMPOUNDS* (P031016 X00); 12 MONTHS $25,800

DRAGO, RUSSELL S; *LEWIS ACID BASE INTERACTIONS* (P031431 X00); 12 MONTHS $42,500

WEBER, GREGORIO; *DETERMINATION OF VERY SMALL DISSOCIATION CONSTANTS OF PROTEIN COMPLEXES* (P031449); 24 MONTHS $50,000

MCDONALD, J D; *INFRARED CHEMILUMINESCENCE STUDIES OF THE DYNAMICS OF REACTIONS OF GASES* (P031724 X00); 12 MONTHS $90,300

LAITINEN, H A; *SURFACE EFFECTS IN ELECTROANALYTICAL CHEMISTRY* (P032847 X00); 12 MONTHS $22,000

EVANS, CHARLES A JR; *ION MICROPROBE MASS SPECTROMETRY* (P033273); 24 MONTHS $60,000

MARCUS, RUDOLPH A; *THEORY OF CHEMICAL KINETICS* (P033525 X00); 12 MONTHS $40,000

HAIGHT, GILBERT P JR; *METAL IONS IN ENZYME AND MODEL ENZYME SYSTEMS* (P033537); 24 MONTHS $39,800

SNYDER, H R; *AROMATIC AND HETEROCYCLIC SYNTHESIS 'VIA' COMPLEXES FORMED IN DIPOLAR APROTIC SOLVENTS FROM ANIONS AND AROMATIC AND HETEROCYCLIC SUBSTANCES* (P034198 X00); 12 MONTHS $29,600

ECKERT, CHARLES A; *DIPOLAR TRANSITION STATES--STRUCTURE AND PROPERTIES FROM HIGH PRESSURE KINETICS* (P034203 X00); 12 MONTHS $26,000

BEAK, PETER A; *CHEMICAL STRUCTURE AND STABILITY* (P034262 X00); 12 MONTHS $25,000

CURTIN, DAVID Y; *SOLID STATE ORGANIC CHEMISTRY* (P034545 X00); 12 MONTHS $25,000

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

KOCHI, JAY K; *OXIDATION AND REDUCTION OF ORGANIC COMPOUNDS BY METAL SPECIES* (P016845 X01); 12 MONTHS $58,000

ALLERHAND, ADAM; *APPLICATIONS OF NATURAL-ABUNDANCE CARBON-13 FOURIER TRANSFORM NUCLEAR MAGNETIC RESONANCE* (P017966 001); 24 MONTHS $56,000

SCHAEFFER, RILEY; *COVALENT INORGANIC COMPOUNDS* (P024266 X01); 12 MONTHS $61,000

WENTWORTH, R A D; *BONDING IN DIMERIC METAL COMPLEXES* (P030544 X00); 12 MONTHS $22,100

WENKERT, ERNEST; *CHEMISTRY OF TERPENIC NATURAL PRODUCTS* (P032020 X00); 12 MONTHS $34,100

SHINER, V J JR; *DEUTERIUM ISOTOPE EFFECTS AND THE MECHANISMS OF NUCLEOPHILIC SUBSTITUTION* (P032854 X00); 12 MONTHS $43,900

TODD, LEE J; *HETEROATOM-BORANES* (P033267 X00); 12 MONTHS $30,000

NOVOTNY, MILOS V; *CHROMATOGRAPHIC ANALYSIS OF AROMATIC HYDROCARBONS IN AIR-BORNE PARTICULATES* (P033751); 24 MONTHS $34,000

SHULL, HARRISON, AND HAGSTROM, STANLEY A; *THEORETICAL AND COMPUTATIONAL STUDIES OF ATOMIC AND MOLECULAR STRUCTURE* (P033989 X00); 12 MONTHS $114,200

PURDUE UNIVERSITY

SNEEN, RICHARD A; *NUCLEOPHILIC SUBSTITUTION AT A SATURATED CARBON ATOM* (P010548 X01); 12 MONTHS $30,700

MORRISON, HARRY A; *PHOTOCHEMISTRY OF BICHROMOPHORIC MOLECULES* (P012650 001); 24 MONTHS $40,000

MARGERUM, DALE W; *VERY FAST SUBSTITUTION REACTIONS OF METAL COMPLEXES* (P014781 X02); 12 MONTHS $35,000

DIESTLER, DENNIS J; *THEORETICAL CALCULATIONS ON INELASTIC AND REACTIVE MOLECULAR COLLISIONS IN GASES* (P014957 001); 24 MONTHS $30,200

ROBINSON, WILLIAM R; *ORGANOMETALLIC DERIVATIVES OF TRANSITION METAL NITROSYLS* (*P017554 001*); 24 MONTHS $27,700

WALTON, RICHARD A; *TRANSITION METAL HALIDES, CARBOXYLATES AND RELATED DERIVATIVES* (*P019422 001*); 24 MONTHS $48,900

TOBIAS, R STUART; *METHYL DERIVATIVES OF HEAVY METALS* (*P023208 001*); 12 MONTHS $32,700

LYTLE, F E; *CHEMICAL APPLICATIONS OF ULTRASHORT DURATION LIGHT PULSES* (*P024448 001*); $2,000

COBBLE, JAMES W; *STUDIES IN AQUEOUS SOLUTIONS AT HIGHER TEMPERATURES* (*P024609 001*); 12 MONTHS $20,000

BROWN, HERBERT C; *NEW CHEMISTRY OF ORGANOBORANES* (*P027742 X01*); 12 MONTHS $31,300

EDGELL, WALTER F; *INFRARED AND RAMAN SPECTRA OF SALT SOLUTIONS AND THEIR LOW TEMPERATURE GLASSES* (*P027928 X01*); 12 MONTHS $25,200

BROWN, HERBERT C; *QUANTITATIVE STUDIES OF STRUCTURE AND REACTIVITY* (*P031385*); 24 MONTHS $60,900

BEYNON, JOHN H; *THE DESIGN, CONSTRUCTION AND UTILIZATION OF AN ION KINETIC ENERGY SPECTROMETER FOR THE STUDY OF GASEOUS IONS* (*P032127*); 24 MONTHS $100,000

GRIMLEY, ROBERT T; *THERMODYNAMICS AND KINETICS OF VAPORIZATION PROCESSES* (*P033366*); 12 MONTHS $26,800

BENKESSER, ROBERT A; *STRUCTURE AND CHEMISTRY OF CROTYL-TYPE ORGANOMETALLICS* (*P033527*); 24 MONTHS $37,000

UNIVERSITY OF NOTRE DAME

FREEMAN, JEREMIAH P; *STEREOSELECTIVE H-D EXCHANGES IN ORGANOSULFUR COMPOUNDS* (*P030693*); 12 MONTHS $14,800

INDIANA UNIVERSITY, INDIANAPOLIS-SCHOOL OF MEDICINE

ROESKE, ROGER W; *SYNTHESIS OF ENZYME MODELS* (*P031322*); 24 MONTHS $48,500

IOWA

GRINNELL COLLEGE

ERICKSON, LUTHER E; *METAL CHELATES* (*P019229 001*); 12 MONTHS $8,600

IOWA STATE UNIVERSITY OF SCIENCE & TECHNOLOGY

RUSSELL, GLEN A; *RADICAL IONS* (*P013549 001*); 24 MONTHS $75,300

TRAHANOVSKY, WALTER S; *OXIDATION AND REDUCTION OF ORGANIC COMPOUNDS* (*P018031 001*); 24 MONTHS $35,000

JOHNSON, DENNIS C; *ELECTROCHEMICAL STUDY OF PHOTOCHEMICAL OXIDATIONS AND REDUCTIONS* (*P018575 001*); 12 MONTHS $16,800

CHAPMAN, ORVILLE L; *META-STABLE GROUND STATE INTERMEDIATES IN PHOTOCHEMISTRY* (*P028152 X01*); 12 MONTHS $28,000

ESPENSON, J H; *REACTIONS AND REACTION MECHANISMS OF MACROCYCLIC COBALT COMPLEXES* (*P033258*); 24 MONTHS $30,600

CALDER, G V, FRITZ, J S, AND SVEC, H J; *CHEMICAL ANALYSIS OF SOLUBLE TRACE ORGANIC COMPOUNDS* (*P033526 X00*); 12 MONTHS $81,200

VERKADE, JOHN G; *BIOLOGICALLY ACTIVE ORGANOPHOSPHORUS COMPOUNDS AND METALLOPHOSPHORUS HYDROGENATION CATALYSTS* (*P033673 X00*); 12 MONTHS $37,400

GILMAN, HENRY; *PERFLUOROALKYL-METALLIC COMPOUNDS* (*P034632*); 12 MONTHS $35,600

UNIVERSITY OF IOWA

CATER, E DAVID; *HIGH TEMPERATURE CHEMISTRY OF REFRACTORY SOLIDS* (*P033457*); 12 MONTHS $21,400

KANSAS

KANSAS STATE UNIVERSITY

SCHRENK, WILLIAM G; *ELECTRODELESS DISCHARGE LAMPS IN ATOMIC ABSORPTION SPECTROSCOPY* (*P009597 001*); 24 MONTHS $21,800

MCDONALD, RICHARD N; *STRAINED FUSED RING SYSTEMS* (*P010691 001*); 24 MONTHS $46,600

COPELAND, JAMES L; *TRANSPORT AND HIGH PRESSURE GAS PHENOMENA IN MOLTEN SALTS* (*P012002 001*); 24 MONTHS $35,400

SEIB, PAUL A; *ACID-CATALYZED HYDROLYSIS OF PYRANOSIDES* (*P033948*); 24 MONTHS $24,300

UNIVERSITY OF KANSAS

HARMONY, MARLIN D; *MICROWAVE SPECTROSCOPIC STUDIES OF NITROGEN-CONTAINING MOLECULES* (*P015127 001*); 24 MONTHS $37,500

CHRISTOFFERSEN, RALPH E; *'AB INITIO' STUDIES OF MOLECULAR SYSTEMS* (*P032524 X00*); 12 MONTHS $19,100

ADAMS, RALPH N; *ANODIC OXIDATION AND ANALYSIS WITH ORGANIC SYSTEMS* (*P032846 X00*); 12 MONTHS $41,400

KENTUCKY

UNIVERSITY OF KENTUCKY

GUTHRIE, ROBERT D; *ELECTRON TRANSFER STUDIES OF CARBANIONS AND RELATED SYSTEMS* (*P017465 001*); 24 MONTHS $31,000

HOFSTETTER, KENNETH J; *PROTON EXCITED X-RAY FLUORESCENCE* (*P033783*); 12 MONTHS $26,800

LOUISIANA

LOUISIANA STATE UNIVERSITY, BATON ROUGE

WEST, PHILIP W; *SELECTIVE AND SENSITIVE METHODS FOR THE DETERMINATION OF SULFURIC ACID AEROSOLS* (*P018081 001*); 24 MONTHS $41,000

SELBIN, JOEL; *URANIUM COMPLEX CHEMISTRY* (*P030661 X00*); 12 MONTHS $22,900

RUNNELS, L K; *DENSE FLUIDS AND PHASE TRANSITIONS* (*P033535 X00*); 12 MONTHS $17,700

CARTLEDGE, FRANK K; *KINETIC STUDIES OF ORGANOSILANES* (*P033871 X00*); 12 MONTHS $22,000

LOUISIANA STATE UNIVERSITY, NEW ORLEANS

DAVIS, DONALD G; *ELECTRON TRANSFER RATES OF METALLOPORPHYRINS* (*P019749 001*); $20,000

DAVIS, DONALD G; *ELECTRON TRANSFER RATES OF METALLOPORPHYRINS* (*P019749 002*); 24 MONTHS $40,000

KERN, RALPH D JR; *EXCHANGE REACTIONS USING THE SHOCK TUBE TECHNIQUE* (*P023137 001*); $5,900

GOOD, MARY L; *RUTHENIUM MOSSBAUER STUDIES* (*P022113 001*); $2,500

GUILBAULT, GEORGE G; *ENZYME ELECTRODE PROBES* (*P031518*); 24 MONTHS $29,800

KERN, RALPH D JR; *EXCHANGE REACTIONS USING THE COMPLEMENTARY SHOCK TUBE TECHNIQUE* (*P033949 X00*); 12 MONTHS $18,100

SOUTHERN UNIVERSITY

BURSH, TALMAGE P; *URANIUM OXIDE-WATER INTERACTIONS* (*P034153*); 12 MONTHS $17,400

SMITH, CLIFFORD L; (*Y010455*); 24 MONTHS $16,800

XAVIER UNIVERSITY OF LOUISIANA

MALMSTROM, SR MARY CARL; *BLACK COLLEGES (FOUR-YEAR)* (*Y010444*); 24 MONTHS $17,800

SOUTHERN UNIVERSITY-SOUTHERN UNIVERSITY IN NEW ORLEANS

MAJESTE, RICHARD JOHN; *MOLECULAR STRUCTURE OF HEXAHALO COMPLEXES OF THE LANTHANIDES* (*P034532*); 42 MONTHS $27,800

MAINE

BOWDOIN COLLEGE

ANDERSON, GEORGE R; *COLLABORATIVE RESEARCH ON VIBRONIC EFFECTS IN HYDROGEN BONDING* (*P031725*); 24 MONTHS $36,000

UNIVERSITY OF MAINE, ORONO

GOODFRIEND, PAUL L; *FLASH PHOTOLYSIS-KINETIC SPECTROSCOPY INVESTIGATION OF MOLECULAR FRAGMENTS FROM PF CONTAINING COMPOUNDS* (*P012259 001*); 12 MONTHS $14,500

WEAVER, DAVID L; *STRUCTURE AND BONDING IN TRANSITION METAL NITROSYL COMPLEXES* (*P030258*); 24 MONTHS $34,700

MARYLAND

JOHNS HOPKINS UNIVERSITY

WHITE, EMIL H; *DEAMINATION OF ALIPHATIC AMINES* (*P008993 X03*); 12 MONTHS $41,000

NICKON, ALEX; *MECHANISM AND STEREOCHEMISTRY IN IONIC REACTIONS* (*P011919 X02*); 12 MONTHS $33,000

DOERING, JOHN P; *LOW ENERGY CHARGED PARTICLE SPECTROSCOPY* (*P032080 X00*); 12 MONTHS $29,000

PERLSTEIN, JEROME H; *ELECTRON TRANSPORT IN MIXED VALENCE COMPLEXES-MODELS FOR HIGH TEMPERATURE SUPERCONDUCTORS* (*P033517*); 24 MONTHS $36,000

POSNER, G H; *SCOPE AND LIMITATIONS OF ORGANOCOPPER REAGENTS IN SYNTHESIS* (*P033667*); 24 MONTHS $31,600

KOKES, RICHARD J; *HYDROGENATION AND ISOMERIZATION OF OLEFINS OVER SOLID CATALYSTS* (*P034034 X00*); 12 MONTHS $32,000

COWAN, DWAINE O; *HEAVY ATOM AND OTHER EFFECTS IN ORGANIC PHOTOCHEMISTRY* (*P034268 X00*); 12 MONTHS $20,100

UNIVERSITY OF MARYLAND, BALTIMORE COUNTY

VITULLO, VICTOR P; *ACIDITY DEPENDENCE OF A-1 AND A-2 REACTIONS* (*P029738 X01*); 12 MONTHS $13,000

UNIVERSITY OF MARYLAND, COLLEGE PARK

BAILEY, WILLIAM J; *FORMATION OF REACTIVE DOUBLE BONDS* (*P013352 001*); 24 MONTHS $19,800

STALEY, STUART W; *HYDROCARBON ANIONS* (*P017899 001*); 24 MONTHS $50,000

MOORE, JOHN H JR; *ELECTRONIC EXCITATION IN COLLISIONS BETWEEN HEAVY PARTICLES AND SMALL MOLECULES* (*P019177 001*); 24 MONTHS $34,800

GRIM, SAMUEL O; *PHOSPHORUS COORDINATION COMPOUNDS* (*P030703*); 24 MONTHS $35,400

LIPPINCOTT, ELLIS R; *COLLABORATIVE RESEARCH ON VIBRONIC EFFECTS IN HYDROGEN BONDING* (*P031646*); 24 MONTHS $69,000

MASSACHUSETTS

BOSTON UNIVERSITY

HOFFMAN, MORTON Z; *PHOTO AND RADIATION CHEMISTRY OF COORDINATION COMPLEXES (P011213 001)*; 24 MONTHS $60,100

BRANDEIS UNIVERSITY

HENDRICKSON, JAMES B; *OXIDATIVE COUPLING IN SYNTHESIS (P026292 X01)*; 12 MONTHS $30,000

ROSENBLUM, MYRON; *CYCLOBUTADIENE AND OLEFIN - METAL COMPLEXES (P027991 X01)*; 12 MONTHS $30,100

GRUNWALD, ERNEST; *SOLVATION OF POLAR SOLUTES AND THE STRUCTURE AND REACTIVITY OF ION PAIRS (P030576 X00)*; 12 MONTHS $36,700

DORAIN, PAUL B; *MAGNETIC AND OPTICAL PROPERTIES OF TRANSITION METAL IONS IN CRYSTALS (P031214 X00)*; 12 MONTHS $32,000

COHEN, SAUL G; *PHOTOCHEMISTRY AND THE CHEMISTRY OF FREE RADICALS (P032452 X00)*; 12 MONTHS $22,500

CLARK UNIVERSITY

WEN, WEN-YANG; *THERMODYNAMIC PROPERTIES OF LARGE IONS IN SOLUTIONS (P008870 001)*; 24 MONTHS $40,000

HARVARD UNIVERSITY

KISTIAKOWSKY, G B; *GAS PHASE REACTIONS (P006424 X04)*; $3,000

KARPLUS, MARTIN; *PROBLEMS IN THEORETICAL CHEMISTRY (P007907 X03)*; 12 MONTHS $107,200

BARTLETT, PAUL D; *MECHANISMS OF ORGANIC REACTIONS (P008605 X03)*; 12 MONTHS $32,500

COREY, ELIAS J; *ORGANIC CHEMISTRY- (A) CYCLIC STRUCTURES INCLUDING TERPENES, (B) ORGANOMETALLIC CHEMISTRY, (C) PHOTOCHEMISTRY, (D) SYNTHETIC METHODOLOGY (P012692 X02)*; 12 MONTHS $105,000

WILSON, E BRIGHT JR; *MOLECULAR SPECTROSCOPY AND PURE QUANTUM MECHANICAL THEORY (P014012 X03)*; 12 MONTHS $90,500

DOERING, WILLIAM VON E; *MECHANISM OF THE METHYLENECYCLOPROPANE AND RELATED REARRANGEMENTS (P018618 X01)*; 12 MONTHS $31,600

HERSCHBACH, DUDLEY R; *MOLECULAR MECHANICS OF CHEMICAL REACTIONS (P027622 X01)*; 12 MONTHS $137,300

GORDON, ROY G; *INTERMOLECULAR FORCES AND MOLECULAR MOTION (P028170 X01)*; 12 MONTHS $79,700

WESTHEIMER, F H; *THE CHEMISTRY OF PHOSPHATE ESTERS AND RELATED COMPOUNDS (P030965 X00)*; 12 MONTHS $44,100

KOHLER, BRYAN E; *MAGNETIC ROTATION SPECTROSCOPY IN SINGLE CRYSTALS (P032216)*; 24 MONTHS $54,800

KLEMPERER, WILLIAM; *MOLECULAR STRUCTURE AND MOLECULAR COLLISIONS OF EXCITED ELECTRONIC STATES (P033434 X00)*; 12 MONTHS $115,000

DOLPHIN, DAVID H; *STUDIES IN PYRROLE CHEMISTRY (P033515 X00)*; 12 MONTHS $26,400

REINHARDT, WILLIAM P; *THEORY OF MANY-BODY PROCESSES IN CHEMICAL PHYSICS (P033941)*; 24 MONTHS $35,600

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

COTTON, F A; *INORGANIC AND ORGANOMETALLIC CHEMISTRY (P007034 X04)*; $26,000

DUBRIN, JAMES W; *PRIMARY REACTION MODES OF INTERNALLY AND TRANSLATIONALLY EXCITED HYDROGEN ATOMS (P013277 001)*; 24 MONTHS $34,800

LORD, RICHARD C; *METHODS AND APPLICATIONS OF FAR INFRARED SPECTROSCOPY (P013473 X03)*; 2 MONTHS $9,800

SWAIN, C GARDNER; *EFFECT OF STRUCTURAL CHANGES IN REACTANTS ON THE STRUCTURE OF TRANSITION STATES (P014698 001)*; 7 MONTHS $10,000

HOLM, RICHARD H; *TRANSITION METAL CHEMISTRY (P018978 X02)*; 12 MONTHS $64,100

KUKOLICH, STEPHEN G; *MEASUREMENTS OF THE MOLECULAR ZEEMAN EFFECT AND MOLECULAR HYPERFINE STRUCTURE USING BEAM MASER SPECTROSCOPY (P021110 001)*; 24 MONTHS $37,300

KINSEY, JAMES L, OPPENHEIM, I, ROSS, JOHN, AND WAUGH, JOHN S; *INTERMOLECULAR FORCES (P028490 X01)*; 12 MONTHS $335,000

LAGOW, RICHARD J; *NEW INORGANIC FLUORIDES BY DIRECT FLUORINATION (P030424 X00)*; 12 MONTHS $18,500

SHARPLESS, K BARRY; *OXOTRANSITION METAL SPECIES AND THEIR RELEVANCE TO MIXED FUNCTION OXYGENASES (P030425 X00)*; 12 MONTHS $19,700

SEYFERTH, DIETMAR; *ORGANOMETALLIC SYNTHESIS AND REACTIONS (P031429 X00)*; 12 MONTHS $42,700

DEUTCH, JOHN M; *STATISTICAL MECHANICAL INVESTIGATIONS (P031930 X00)*; 12 MONTHS $36,000

APPLETON, JOHN P, AND KECK, JAMES C; *THERMALLY INDUCED THREE-BODY GAS-PHASE REACTIONS (P032522 X00)*; 12 MONTHS $49,500

KEMP, D S; *SYNTHESIS AND STUDY OF CAGED COMPOUNDS (P033265 X00)*; 12 MONTHS $37,800

SILBEY, ROBERT J; *QUANTUM MECHANICAL STUDIES OF THE COUPLING OF ELECTRONIC AND VIBRATIONAL MODES IN MOLECULES AND MOLECULAR CRYSTALS (P033277 X00)*; 12 MONTHS $21,800

SEYFERTH, DIETMAR; *GROUP III AND V CHEMISTRY (P033580)*; 24 MONTHS $39,900

HUME, DAVID N; *ANALYTICAL METHODOLOGY FOR ENVIRONMENTAL MEASUREMENTS (P033950)*; 12 MONTHS $50,000

MOUNT HOLYOKE COLLEGE

WILLIAMSON, KENNETH L; *CONFORMATIONAL ANALYSIS BY NMR (P030249)*; 12 MONTHS $11,100

TUFTS UNIVERSITY

DEWALD, ROBERT R; *RATES OF ELECTRON-REDUCTION REACTIONS IN LIQUID AMMONIA (P020009 001)*; 24 MONTHS $48,200

UNIVERSITY OF MASSACHUSETTS, AMHERST

ROWELL, ROBERT L; *COLLOID AND MOLECULAR LIGHT SCATTERING (P014110 001)*; 24 MONTHS $42,700

CADE, PAUL E; *THEORETICAL STUDIES ON THE COMPTON PROFILE SCATTERING FACTORS AND MOMENTUM-SPACE QUANTUM CHEMISTRY (P014606 001)*; 24 MONTHS $31,800

CHIEN, JAMES C W; *AUTOXIDATION OF POLYMERS - MEASUREMENTS OF INDIVIDUAL RATE CONSTANTS (P022533 X00)*; 12 MONTHS $18,500

UDEN, PETER C; *PREPARATION AND ANALYTICAL APPLICATION OF VOLATILE METAL COMPLEXES (P031749)*; 24 MONTHS $30,500

WORCESTER POLYTECHNIC INSTITUTE

BUSHWELLER, C HACKETT; *MULTIHETEROATOMIC MEDIUM RINGS AND THE VARIOUS ROLES OF THE LONE PAIR (P018197 001)*; 3 MONTHS $6,000

MICHIGAN

MICHIGAN STATE UNIVERSITY

HART, HAROLD; *CHEMISTRY OF SOME HIGHLY SUBSTITUTED COMPOUNDS (P008769 X03)*; 12 MONTHS $57,600

HORNE, FREDERICK H; *NONISOTHERMAL TRANSPORT IN MULTICOMPONENT SYSTEMS (P011120 002)*; 24 MONTHS $49,000

BRUBAKER, CARL H JR; *ORGANOMETALLIC COMPOUNDS OF TRANSITION ELEMENTS (P017422 X02)*; 12 MONTHS $32,400

CROUCH, STANLEY R; *FAST KINETIC STUDIES OF ANALYTICAL SYSTEMS (P018123 001)*; 24 MONTHS $50,000

WAGNER, PETER J; *STRUCTURE-REACTIVITY RELATIONSHIPS IN KETONE PHOTOCHEMISTRY (P019580 001)*; 12 MONTHS $31,000

SCHWENDEMAN, RICHARD H; *MOLECULAR STRUCTURE AND ROTATIONAL RELAXATION BY MICROWAVE SPECTROSCOPY (P020883 001)*; 4 MONTHS $10,200

POPOV, ALEXANDER I; *THIRD INTERNATIONAL CONFERENCE ON NONAQUEOUS SOLVENTS (P031412)*; 12 MONTHS $4,000

LEROI, GEORGE E; *SPECTROSCOPIC STUDIES OF SMALL MOLECULES (P033658 X00)*; 12 MONTHS $78,000

ROGERS, MAX T; *ESR STUDIES OF CHEMICAL BONDING IN TRANSITION METAL COMPLEXES (P033663)*; 24 MONTHS $39,500

MORTLAND, M M, AND PINNAVAIA, THOMAS J; *CHEMISORBED SPECIES ON TRANSITION METAL ION EXCHANGE FORMS OF CLAY MINERALS (P033878)*; 24 MONTHS $50,000

LEROI, GEORGE E; *CONFERENCE ON FUTURE TRENDS IN VIBRATIONAL SPECTROSCOPY (P034068)*; 6 MONTHS $5,000

RATHKE, MICHAEL WILLIAM; *BORON-STABILIZED CARBANIONS (P034384)*; 24 MONTHS $27,200

UNIVERSITY OF MICHIGAN

ELVING, PHILIP J; *POLAROGRAPHIC BEHAVIOR OF ORGANIC COMPOUNDS (P010416 001)*; 24 MONTHS $52,100

OVERBERGER, CHARLES G; *CYCLIC AZO COMPOUNDS - SYNTHESIS, STEREOCHEMISTRY, AND DECOMPOSITION STUDIES OF NOVEL RING SYSTEMS (P012325 001)*; 12 MONTHS $17,800

DUNN, THOMAS M; *ELECTRONIC SPECTRA OF INORGANIC COMPOUNDS (P016089 001)*; 6 MONTHS $16,800

ASHE, ARTHUR J III; *SYNTHESIS OF THE BORABENOZENE ANION AND OTHER HETEROCYCLIC SYSTEMS (P030589 X00)*; 12 MONTHS $15,600

BARTELL, LAWRENCE S; *ELECTRON DIFFRACTION STUDY OF MOLECULAR STRUCTURE AND BONDING (P032486 X00)*; 12 MONTHS $53,800

BRINTZINGER, HANS H; *HYDRIDE AND NITROGEN COMPLEXES OF GROUP IV-VI TRANSITION METALS (P033130 X00)*; 12 MONTHS $54,100

WESTRUM, EDGAR F JR; *INORGANIC CHEMICAL THERMODYNAMICS (P033424 X00)*; 12 MONTHS $37,500

OVERBERGER, CHARLES G; *SYNTHESIS AND PROPERTIES OF ASYMMETRIC POLYMERS (P033833 X00)*; 12 MONTHS $29,700

STILES, MARTIN; *CYCLOADDITION AND CYCLOREVERSION REACTIONS OF ENOLATES (P034263 X00)*; 12 MONTHS $25,000

WAYNE STATE UNIVERSITY

RABAN, MORTON; *TORSIONAL STEREOISOMERISM IN SULFENAMIDES (P017092 001)*; 24 MONTHS $39,300

OLIVER, JOHN P; *REACTIVITY AND BOND CHARACTER OF ORGANOMETALLIC COMPOUNDS (P019299 001)*; 12 MONTHS $18,100

JOHNSON, CARL R; *SYNTHETIC, MECHANISTIC, AND STEREOCHEMICAL ASPECTS OF SULFONIMIDOYL COMPOUNDS (P019683 002)*; 24 MONTHS $68,800

MINNESOTA

UNIVERSITY OF MINNESOTA

PARHAM, WILLIAM E; *CHEMICAL BEHAVIOR OF STRAINED AROMATIC SYSTEMS IN THE 'META'-CYCLOPHANE SERIES (P011918 001)*; 12 MONTHS $21,900

BRITTON, DOYLE; *STRUCTURAL STUDIES OF INTERMOLECULAR INTERACTIONS (P016570 001)*; 24 MONTHS $56,900

CRAWFORD, BRYCE L JR; *ATR STUDIES OF STRUCTURAL PARAMETERS IN CONDENSED PHASES (P030739 X00)*; 12 MONTHS $36,000

KREEVOY; MAURICE M; *SOLVENT AND STRUCTURE IN PROTON TRANSFER TO CARBON AND HYDROGEN (P031380 X00)*; 12 MONTHS $26,800

DAVIS, HOWARD TED; *NON-EQUILIBRIUM PROCESSES IN FLUIDS (P033757 X00)*; 12 MONTHS $27,600

BARNETT, RONALD E; *DIFFUSION-LIMITED RATE-DETERMINING STEPS IN CARBONYL AND ACYL GROUP REACTIONS (P034495)*; 24 MONTHS $34,000

MOSSOTTI, VICTOR G; *THE INFORMATION STRUCTURE OF ANALYTICAL FLAMES (P034583 X00)*; 12 MONTHS $40,000

MISSISSIPPI

UNIVERSITY OF MISSISSIPPI

KLINGEN, THEODORE J; *THE LIQUID CRYSTAL NATURE OF SOME ORGANO-CARBORANES AND NITROGEN-BORANES (P030588)*; 24 MONTHS $22,200

PANETTA, CHARLES A; *APPLICATIONS OF NEIGHBORING GROUP REACTIONS TO PEPTIDE CHEMISTRY (P033582)*; 24 MONTHS $36,900

UNIVERSITY OF SOUTHERN MISSISSIPPI

KRUBSACK, ARNOLD J; *OXIDATIONS BY THIONYL CHLORIDE (P031761 X00)*; 12 MONTHS $17,000

MISSOURI

UNIVERSITY OF MISSOURI, COLUMBIA

O'LAUGHLIN, JEROME W; *SYNERGIC EXTRACTION AND GAS CHROMATOGRAPHY OF VOLATILE METAL CHELATES (P033884)*; 24 MONTHS $29,000

UNIVERSITY OF MISSOURI, ST LOUIS

MURRAY, ROBERT W; *THE MECHANISM OF OZONOLYSIS (P029373 X01)*; 12 MONTHS $62,800

WASHINGTON UNIVERSITY

YARIS, ROBERT; *USE OF TIME-DEPENDENT METHODS IN ATOMIC AND MOLECULAR QUANTUM MECHANICS (P009549 001)*; 24 MONTHS $36,100

WAHL, ARTHUR C; *OXIDATION-REDUCTION REACTIONS (P028260 X01)*; 12 MONTHS $50,700

MONTANA

MONTANA STATE UNIVERSITY

ANACKER, EDWARD W; *INFLUENCE OF SURFACTANT STRUCTURE ON MICELLIZATION (P018756 001)*; 12 MONTHS $13,500

CAUGHLAN, CHARLES N; *STRUCTURES OF ORGANOPHOSPHORUS COMPOUNDS (P033538 X00)*; 12 MONTHS $29,900

UNIVERSITY OF MONTANA

SHAFIZADEH, FRED; *PYROLYTIC REACTIONS OF CELLULOSIC MATERIALS (P015556 001)*; 6 MONTHS $11,000

NEW HAMPSHIRE

DARTMOUTH COLLEGE

GRIBBLE, GORDON W; *NITROGEN INVERSION AND OTHER PHENOMENA IN AZABICYCLOALKANES (P013374 001)*; 12 MONTHS $14,000

SPENCER, THOMAS A; *AMINE CATALYSIS VIA IMINIUM ION FORMATION (P034390 X00)*; 12 MONTHS $29,300

UNIVERSITY OF NEW HAMPSHIRE, DURHAM

UEBEL, J JOHN; *A STUDY OF THE S_N2' REACTION (P008701 001)*; 12 MONTHS $11,900

NEW JERSEY

NEWARK COLLEGE OF ENGINEERING

SUCHOW, LAWRENCE; *COMPLEX RARE EARTH OXIDES, CHALCOGENIDES, AND PNICTIDES (P011527 001)*; 12 MONTHS $14,500

PRINCETON UNIVERSITY

SOOS, ZOLTAN G; *MAGNETIC AND ELECTRIC PROPERTIES OF PI-MOLECULAR CRYSTALS (P009546 001)*; 24 MONTHS $31,000

SPIRO, T G; *STRUCTURAL STUDIES IN INORGANIC CHEMISTRY (P010122 001)*; 24 MONTHS $48,000

SCHLEYER, PAUL VON R; *CARBONIUM IONS AND FREE RADICALS-REACTIONS, REACTIVITY AND STRUCTURE (P029078 X01)*; 12 MONTHS $42,000

MISLOW, KURT; *STRUCTURE AND MECHANISM IN ORGANOMETALLOID CHEMISTRY (P030857 X00)*; 12 MONTHS $90,100

JONES, MAITLAND JR; *REACTIVE INTERMEDIATES (P030797 X00)*; 12 MONTHS $39,800

MCCLURE, DONALD S; *ELECTRONIC SPECTROSCOPY (P030861 X00)*; 12 MONTHS $75,900

RUTGERS UNIVERSITY

DENNEY, DONALD B; *ORGANOPHOSPHORUS CHEMISTRY (P012829 001)*; 12 MONTHS $15,800

GOODMAN, LIONEL; *ELECTRONIC PROMOTION (P031496 X00)*; 12 MONTHS $43,800

MOSS, ROBERT A; *CARBENE, DIAZOTATE, AND MICELLAR ORGANIC CHEMISTRY (P032159 X00)*; 12 MONTHS $24,400

LAITY, RICHARD W; *ION MOBILITY IN MOLTEN SALTS (P033657)*; 12 MONTHS $27,000

WASSERMAN, EDEL; *PHOTOREACTIONS IN THE ATMOSPHERE (P034393 X00)*; 12 MONTHS $27,300

NEW MEXICO

NEW MEXICO STATE UNIVERSITY

LWOWSKI, WALTER; *ELECTRON-DEFICIENT MOLECULES II (P027951 X01)*; 12 MONTHS $26,000

UNIVERSITY OF NEW MEXICO

NECKERS, DOUGLAS C; *PHOTOCHEMICAL AND FREE RADICAL REACTIONS USING POLYMERS (P033566)*; 24 MONTHS $31,600

NEW YORK

CLARKSON COLLEGE OF TECHNOLOGY

MEITES, LOUIS; *DIFFERENTIAL EBULLIOMETRY AND DIFFERENTIAL EBULLIOMETRIC TITRATIONS (P010325 002)*; 24 MONTHS $32,300

MATIJEVIC, EGON; *INTERACTIONS OF COMPLEX SOLUTE SPECIES WITH CHARGED INTERFACES (P012220 001)*; 24 MONTHS $37,500

KERKER, MILTON; *PHYSICAL CHEMICAL STUDIES OF AEROSOLS (P033654 X00)*; 12 MONTHS $75,000

COLLEGE AT FREDONIA

KELLER, ROY A, AND KARASEK, FRANCIS W; *ULTRATRACE ANALYSIS BY PLASMA CHROMATOGRAPHY (P031824)*; 24 MONTHS $70,000

COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY

SZWARC, MICHAEL; *IONS, ION-PAIRS, RADICAL-IONS AND ELECTRON TRANSFER PROCESSES (P027749 X01)*; 12 MONTHS $72,000

COLUMBIA UNIVERSITY

STERN, RICHARD C; *MOLECULAR BEAM STUDY OF INELASTIC ELECTRON-MOLECULE COLLISIONS (P011631 002)*; 24 MONTHS $44,300

STORK, GILBERT; *SYNTHETIC METHODS AND TOTAL SYNTHESIS IN ORGANIC CHEMISTRY (P013785 X02)*; 12 MONTHS $63,800

PECHUKAS, PHILIP; *SEMICLASSICAL APPROXIMATION IN MOLECULAR QUANTUM MECHANICS (P019097 001)*; 24 MONTHS $28,500

BERNE, BRUCE J; *DYNAMICS OF MOLECULAR MOTION IN CONDENSED MEDIA (P022881 001)*; 12 MONTHS $27,300

TURRO, NICHOLAS J; *CHEMISTRY OF STRAINED RING COMPOUNDS (P026602 X00)*; 12 MONTHS $41,000

KATZ, THOMAS J; *THE CATALYSIS OF CYCLOADDITION REACTIONS (P030669 X00)*; 12 MONTHS $32,300

ZARE, RICHARD N; *MOLECULAR FLUORESCENCE WITH EMPHASIS ON LASER EXCITATION (P031336 X00)*; 12 MONTHS $77,800

DAILEY, BENJAMIN P; *MICROWAVE STUDIES OF MOLECULAR MAGNETISM (P033529)*; 24 MONTHS $40,000

CORNELL UNIVERSITY

SCHOLER, FREDERICK R; *HETERONUCLEAR POLYHEDRAL BORANES (P017053 001)*; 12 MONTHS $10,100

SIENKO, M J; *LONG-RANGE INTERACTIONS AND PHASE RELATIONS IN CONCENTRATED METAL-AMMONIA SYSTEMS (P017706 001)*; 24 MONTHS $62,000

HOFFMANN, ROALD; *TRANSITION STATES AND INTERMEDIATES IN ORGANIC AND INORGANIC REACTIONS (P028137 X01)*; 12 MONTHS $62,000

FAY, ROBERT C; *STEREOCHEMISTRY AND CONFIGURATIONAL REARRANGEMENTS OF METAL CHELATES (P030691 X00)*; 12 MONTHS $27,200

MORRISON, GEORGE H; *QUANTITATIVE MASS SPECTROSCOPY OF SOLIDS (P030940 X00)*; 12 MONTHS $48,300

MILLER, WILLIAM T; *CHEMISTRY OF CARBON-FLUORINE COMPOUNDS - HIGHLY FLUORINATED ORGANOMETALLIC COMPOUNDS AS REACTION INTERMEDIATES (P031722 X00)*; 12 MONTHS $47,000

BAUER, SIMON H; *INTRAMOLECULAR GEOMETRY BY GAS PHASE ELECTRON DIFFRACTION (P034060)*; 24 MONTHS $38,400

NEW YORK UNIVERSITY

MOSKOWITZ, JULES W; *HYDROGEN BONDING AND THE STRUCTURE OF AQUEOUS SOLUTIONS (P010331 001)*; 24 MONTHS $26,400

SCHUSTER, DAVID I; *MECHANISTIC INVESTIGATIONS IN KETONE PHOTOCHEMISTRY (P010828 001)*; 24 MONTHS $30,200

SUNDHEIM, BENSON R; *PHOTOCHEMICAL PROCESSES IN FUSED SALTS (P014615 001)*; 24 MONTHS $45,900

DELAHAY, PAUL; *PHOTOELECTRON AND THERMIONIC EMISSION BY SOLUTIONS AND MOLTEN SALTS (P030286 X00)*; 12 MONTHS $56,000

RENSSELAER POLYTECHNIC INSTITUTE

JANZ, GEORGE J; *HIGHLY CONCENTRATED SALT SOLUTIONS (P033664 X00)*; 12 MONTHS $29,500

ROCKEFELLER UNIVERSITY

FIELD, FRANK H; *TEMPERATURE EFFECTS IN HIGH PRESSURE MASS SPECTROMETRY (P028736 X01)*; 12 MONTHS $41,300

STATE UNIVERSITY AT ALBANY

FRISCH, H L; *STATISTICAL MECHANICS AND TRANSPORT OF CLASSICAL FLUIDS (P019881 001)*; 24 MONTHS $65,000

KUIVILA, HENRY G; *STUDIES IN ORGANOTIN CHEMISTRY (P029165 X01)*; 12 MONTHS $22,500

STATE UNIVERSITY AT BINGHAMTON

INNES, K KEITH; *MOLECULAR ELECTRONIC SPECTRA AND STRUCTURE (P027961 X01)*; 12 MONTHS $42,100

EISCH, JOHN J; *CHEMICAL CONSEQUENCES OF UNSATURATION IN CYCLIC ORGANOBORANES (P034804 X00)*; 12 MONTHS $30,600

STATE UNIVERSITY AT BUFFALO

COPPENS, PHILIP; *DIFFRACTION METHODS FOR OBTAINING MOLECULAR CHARGE DISTRIBUTIONS, (P028406 001)*; $35,200

RITCHIE, CALVIN D; *SOLVENT EFFECTS ON REACTIVITY (P029164 X01)*; 12 MONTHS $22,100

MARINSKY, JACOB A; *ION AND SOLVENT SELECTIVITY IN MIXED AND NON-AQUEOUS MEDIA (P031337)*; 24 MONTHS $32,000

WILKINS, RALPH G; *THE STUDY OF RAPID INORGANIC REACTIONS IN SOLUTION (P032088 X00)*; 12 MONTHS $31,600

WUDL, FRED; *THE STUDY AND APPLICATIONS OF THE CHEMISTRY OF STABLE ORGANIC RADICAL CATIONS (P034092)*; 24 MONTHS $25,100

STATE UNIVERSITY AT STONY BROOK

HAIM, ALBERT; *REDOX REACTIONS OF COORDINATION COMPOUNDS (P009669 001)*; 12 MONTHS $30,000

JOHNSON, PHILIP M; *ENERGY EVOLUTION IN ELECTRONICALLY EXCITED MOLECULES (P014439 001)*; 24 MONTHS $43,300

FRIEDMAN, HAROLD L; *NMR METHODS FOR STUDYING ION DISTRIBUTIONS IN SOLUTIONS (P031213)*; 24 MONTHS $47,000

LE NOBLE, WILLIAM J; *REACTIONS IN COMPRESSED SOLUTIONS (P032311 X00)*; 12 MONTHS $42,000

HANSON, DAVID M; *STARK SPECTROSCOPY OF MOLECULAR SOLIDS (P033427 X00)*; 12 MONTHS $43,000

SYRACUSE UNIVERSITY

PRINS, WILLEM; *ELASTIC AND QUASI-ELASTIC LIGHT SCATTERING BY POLYMER GELS (P033755)*; 24 MONTHS $44,900

BRUMBERGER, HARRY; *CRITICAL SCATTERING OF THE LIQUID SODIUM-LITHIUM SYSTEM (P033879)*; 24 MONTHS $21,200

UNIVERSITY OF ROCHESTER

MUENTER, JOHN S; *MOLECULAR BEAM STUDIES OF THE ELECTRONIC STRUCTURE OF SMALL MOLECULES (P018805 001)*; 24 MONTHS $37,000

MOROKUMA, KEIJI; *THEORETICAL INVESTIGATION OF CHEMICAL REACTIONS OF EXCITED STATES (P033998 X00)*; 12 MONTHS $27,900

YESHIVA UNIVERSITY

LIPSICAS, MAX; *N.M.R. MEASUREMENTS IN GASES AND LIQUIDS (P028355 X01)*; 12 MONTHS $28,000

NORTH CAROLINA

DAVIDSON COLLEGE

BURNETT, JOHN NICHOLAS; *APPLICATIONS OF STOPPED-FLOW KINETICS IN ELECTROCHEMISTRY (P030668)*; 24 MONTHS $22,900

DUKE UNIVERSITY

PALMER, RICHARD A; *OPTICAL, MAGNETIC AND STRUCTURAL PROPERTIES OF METAL-CONTAINING INORGANIC HETEROCYCLES (P013470 001)*; 24 MONTHS $30,900

EAST CAROLINA UNIVERSITY

LAMB, ROBERT C; *KINETICS-EFFICIENCY EXPERIMENTS ON SOME UNSYMMETRICALLY SUBSTITUTED BENZOYL PEROXIDES (P013845 001)*; 24 MONTHS $26,000

NORTH CAROLINA AGRICULTURAL & TECH STATE UNIV

WEAVER, JOHN A; *COSIP D RESEARCH INITIATION - ISOMERIZATION OF CYCLOPROPANES, ETHYLENE OXIDES AND RELATED COMPOUNDS UNDER THERMOLYTIC AND PHOTOLYTIC CONDITIONS (Y010449)*; 15 MONTHS $21,300

SULLIVAN, WALTER W; *COSIP D RESEARCH INITIATION - SYNTHESIS AND REACTIONS OF 9.10 PHENANTHRYNE (Y010450)*; 15 MONTHS $21,600

NORTH CAROLINA CENTRAL UNIVERSITY

TOTTON, ERZA L; *COSIP D RESEARCH INITIATION - THE SYNTHESES OF PHYSIOLOGICALLY ACTIVE COMPONENTS (Y010462)*; 39 MONTHS $49,700

NORTH CAROLINA STATE UNIVERSITY AT RALEIGH

TUCKER, WILLIAM P; *CONTRIBUTIONS OF SULFUR TO RESONANCE STABILIZATION (P012878 001)*; 24 MONTHS $26,100

LONG, G GILBERT, AND BOWEN, LAWRENCE H; *MOSSBAUER SPECTROSCOPY OF ANTIMONY COMPOUNDS (P033516 X00)*; 12 MONTHS $34,000

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

RICE, OSCAR K; *CRITICAL PHENOMENA AND LIQUID HELIUM (H034201 X00)*; 12 MONTHS $19,100

MEYER, THOMAS J; *ELECTRON TRANSFER STUDIES ON ORGANOMETALLIC COMPLEXES (P017083 001)*; 24 MONTHS $23,400

ISENHOUR, THOMAS L; *COMPUTERIZED LEARNING MACHINES APPLIED TO CHEMICAL PROBLEMS (P017674 001)*; 24 MONTHS $48,100

HATFIELD, WILLIAM E; *SPIN-SPIN COUPLING IN MAGNETICALLY CONDENSED COMPLEXES (P022887 001)*; 24 MONTHS $42,000

REILLEY, CHARLES N; *PROTON AND CARBON-13 NMR STUDIES OF CHELATES OF POLYAMINE COMPOUNDS (P030692 X00)*; 12 MONTHS $23,200

JOHNSON, CHARLES S JR; *MAGNETIC RESONANCE STUDY OF MOLECULAR STRUCTURE AND CHEMICAL RATE PROCESSES (P031383 X00)*; 12 MONTHS $46,600

HERMANS, J J; *CORRELATION FUNCTIONS IN SOLUTIONS OF LARGE MOLECULES (P033454)*; 24 MONTHS $43,600

RIEKE, REUBEN D; *ELECTROCHEMICAL STUDIES ON PHOSPHOROUS CONTAINING COMPOUNDS (P033911 X00)*; 12 MONTHS $28,700

UNIVERSITY OF NORTH CAROLINA AT GREENSBORO

HERMAN, HARVEY B; *ELECTROCHEMICAL MEASUREMENT OF THE RATES OF CHEMICAL REACTIONS (P015374 001)*; 12 MONTHS $18,000

NORTH DAKOTA

UNIVERSITY OF NORTH DAKOTA

KLABUNDE, KENNETH J; *CARBONMONOSULFIDE CHEMISTRY (P034493)*; 24 MONTHS $15,300

OHIO

NONE; *OTHER PROGRAM AWARDS (01AWDS)*; $76

CASE WESTERN RESERVE UNIVERSITY

FACKLER, J P JR; *CHEMISTRY OF COORDINATION COMPOUNDS (P011701 001)*; 24 MONTHS $61,700

OLAH, GEORGE A; *STABLE, LONG-LIVED ORGANIC IONS (P018098 X02)*; 12 MONTHS $40,500

KLOPMAN, GILLES; *SELF CONSISTENT FIELD CALCULATIONS OF CHEMICAL REACTIVITY (P019985 001)*; 24 MONTHS $32,400

CARLSON, K DOUGLAS; *INFRARED SPECTROSCOPY AND STRUCTURES OF HIGH TEMPERATURE MOLECULES (P028429 001)*; $27,700

SIMHA, ROBERT; *THEORETICAL EQUILIBRIUM AND KINETIC STUDIES OF COOPERATIVE PROCESSES IN MACROMOLECULES (P030285)*; 24 MONTHS $30,100

HRONES, JOHN A; *A MAJOR INSTRUMENTS FACILITY (P032338 X00)*; 12 MONTHS $75,000

ABRAHAMSON, EDWIN W; *ELECTRONIC ENERGY TRANSFER IN THE GAS PHASE (P033269 X00)*; 12 MONTHS $27,100

DUNBAR, ROBERT C; *PROPERTIES AND REACTIONS OF CATIONS (P033521 X00)*; 12 MONTHS $19,000

KENNEY, MALCOLM E; *PHTHALOCYANINES AND SIMILAR MACROCYCLES (P033528 X00)*; 12 MONTHS $31,800

URBACH, FRED L; *CIRCULAR DICHROISM AND RELATED STUDIES OF LOW-SYMMETRY METAL CHELATES (P033834)*; 24 MONTHS $43,800

OHIO STATE UNIVERSITY

NEWMAN, MELVIN S; *NEW SYNTHETIC REACTIONS BY THE 3,2,1-BICYCLIC MECHANISM (P012445 X02)*; 12 MONTHS $39,900

NIELSEN, HARALD H, AND RAO, K NARAHARI; *ANNUAL SYMPOSIA ON MOLECULAR STRUCTURE AND SPECTROSCOPY (P016813 001)*; $3,300

SHECHTER, HAROLD; *CARBENIC PROCESSES- THE CHEMISTRY OF DIAZO COMPOUNDS AND RELATED INTERMEDIATES (P022545 X01)*; 12 MONTHS $41,300

LEUSSING, DANIEL L; *CATALYSIS BY LABILE METAL IONS IN MIXED LIGAND SYSTEMS (P023515 X01)*; 12 MONTHS $38,400

SHORE, SHELDON G; *INTERMEDIATE BORON HYDRIDES AND THEIR DERIVATIVES (P025853 X01)*; 12 MONTHS $39,900

BUSCH, DARYLE H; *METAL COMPLEXES OF LINEAR AND MACROCYCLIC TETRADENTATE LIGANDS (P028998 X01)*; 12 MONTHS $41,500

GASSMAN, PAUL G; *CHEMISTRY OF BENT BONDS (P030941 X00)*; 12 MONTHS $50,000

KUWANA, THEODORE; *OPTICALLY TRANSPARENT ELECTRODES (P031236)*; 24 MONTHS $62,800

HINE, JACK; *EFFECT OF STRUCTURE ON RATES AND EQUILIBRIA (P032461 X00)*; 12 MONTHS $28,000

OUELLETTE, ROBERT J; *CONFORMATIONAL STUDIES USING NUCLEAR MAGNETIC RESONANCE (P033483)*; 24 MONTHS $34,100

HORTON, DEREK; *CONFORMATIONAL ANALYSIS OF CYCLIC AND ACYCLIC SUGARS AND THEIR DERIVATIVES (P033524)*; 24 MONTHS $35,000

OHIO UNIVERSITY

CLEARFIELD, ABRAHAM; *STRUCTURAL STUDIES ON SYNTHETIC INORGANIC ION EXCHANGE COMPOUNDS (P026050 001)*; $5,800

UNIVERSITY OF AKRON

FREDERICK, JOHN E; *INTRAMOLECULAR MOTION AND DIFFUSION OF RANDOM COIL AND ROD-LIKE MACROMOLECULES IN SOLUTION (P008328 001)*; 24 MONTHS $27,100

UNIVERSITY OF CINCINNATI

DAY, RICHARD A; *MASS SPECTROMETRY OF PEPTIDES (P034264)*; 24 MONTHS $29,700

UNIVERSITY OF TOLEDO

THOMPSON, H BRADFORD, AND JACOB, E JEAN; *THE GEOMETRY OF AMIDE-LIKE NITROGEN (P033655 X00)*; 12 MONTHS $23,600

OKLAHOMA

OKLAHOMA STATE UNIVERSITY

DEVLIN, J PAUL; *A VIBRATIONAL STUDY OF THE STRUCTURES OF DISORDERED IONIC CRYSTALS, GLASSES AND MELTS (P032341)*; 24 MONTHS $30,900

MAINS, GILBERT J; *TENTH INFORMAL CONFERENCE ON PHOTOCHEMISTRY (P033377)*; 6 MONTHS $3,600

UNIVERSITY OF OKLAHOMA

HAGEN, ARNULF P; *HIGH PRESSURE SYNTHESIS OF INORGANIC AND ORGANOMETALLIC COMPOUNDS (P019873 001)*; 24 MONTHS $40,200

CHRISTIAN, SHERRIL D; *MOLECULAR COMPLEXES OF WATER IN ORGANIC MEDIA (P033519 X00)*; 12 MONTHS $30,000

ATKINSON, GORDON; *ULTRASONIC INVESTIGATION OF POLYELECTROLYTE SOLUTIONS (P033781 X00)*; 12 MONTHS $25,000

FUNG, B M; *NUCLEAR MAGNETIC RESONANCE STUDY OF LIQUID CRYSTALLINE POLYPEPTIDE SOLUTIONS (P034202)*; 24 MONTHS $38,600

OREGON

OREGON STATE UNIVERSITY

HAWKES, STEPHEN J; *OPTIMIZATION IN CHROMATOGRAPHY (P015430 001)*; 24 MONTHS $32,000

NIBLER, JOSEPH W; *RAMAN MATRIX ISOLATION SPECTROSCOPY (P024608 001)*; $4,200

HEDBERG, KENNETH; *STRUCTURES, DYNAMICS AND VIBRATIONAL POTENTIAL FUNCTIONS OF MOLECULES (P027763 X01)*; 12 MONTHS $48,700

WHITE, JAMES D; *BIOGENETICALLY PATTERNED SYNTHESIS OF SECONDARY METABOLITES (P031434)*; 24 MONTHS $58,500

DECIUS, J C; *KATE OF CONVERSION OF MOLECULAR VIBRATIONAL AND TRANSLATIONAL ENERGY (P033221)*; 24 MONTHS $25,200

UNIVERSITY OF OREGON - EUGENE

PHILPOTT, MICHAEL R; *THEORY OF MOLECULAR EXCITONS AND PRIMARY PHOTOCHEMICAL PROCESSES (P020599 001)*; 24 MONTHS $41,100

KOENIG, THOMAS W; *REACTIVE RADICAL PAIRS (P028071 X01)*; 12 MONTHS $27,900

BOEKELHEIDE, VIRGIL; *MOLECULES WITH NOVEL PI-ELECTRON SYSTEMS (P028107 X01)*; 12 MONTHS $45,600

SIMPSON, WILLIAM T; *MOLECULAR ELECTRONIC SPECTRA- ASSIGNMENTS AND INTERPRETATION (P030830)*; 24 MONTHS $80,200

BALDWIN, JOHN E; *SYNTHESES AND REACTIONS OF HYDROCARBONS (P031415)*; 24 MONTHS $52,500

BALDWIN, JOHN E; *SYNTHESES AND REACTIONS OF HYDROCARBONS (P031415 001)*; $30,000

PENNSYLVANIA

CARNEGIE-MELLON UNIVERSITY

VAN DYKE, CHARLES H; *MIXED HYDRIDES OF THE GROUP IV ELEMENTS (P012833 001)*; 12 MONTHS $18,000

KEISCH, BERNARD; *ISOTOPE MASS SPECTROMETRY TO TRACE THE SOURCE OF ARTISTS' MATERIALS (P013595 001)*; 24 MONTHS $46,000

MOCK, WILLIAM L; *PREPARATIVE AND MECHANISTIC SULFUR CHEMISTRY AND HEPTACYCLODODECANE VALENCE TAUTOMERS (P019301 001)*, 12 MONTHS $39,100

STEWART, ROBERT F; *VALENCE STRUCTURE FROM COHERENT X-RAY SCATTERING AND STRUCTURES OF MOLECULAR COMPLEXES (P022729 001)*; 24 MONTHS $38,500

BOTHNER-BY, AKSEL A, AND FATELEY, WILLIAM G; *ROTATION ABOUT SINGLE BONDS (P022943 001)*; 3 MONTHS $9,300

BROMBERG, J PHILIP; *ABSOLUTE DIFFERENTIAL CROSS SECTIONS OF ELASTICALLY SCATTERED ELECTRONS (P023517 X01)*; 12 MONTHS $30,000

KAY, ROBERT L; *EFFECT OF PRESSURE ON WATER STRUCTURE IN AQUEOUS SOLUTIONS (P031448)*; 24 MONTHS $50,000

ALEXANDER, LEROY E; *STRUCTURAL STUDIES OF MODEL COMPOUNDS OF LINEAR POLYMERS (P032795)*; 24 MONTHS $39,100

COMBUSTION INSTITUTE

WILLIAMS, GLENN C; *FOURTEENTH SYMPOSIUM (INTERNATIONAL) ON COMBUSTION (K034613*)*; 12 MONTHS $5,000

DREXEL UNIVERSITY

GUILLORY, WILLIAM ARNOLD; *THE MATRIX-ISOLATED INFRARED AND ULTRAVIOLET SPECTRA OF IONIC SPECIES (P033836)*; 24 MONTHS $34,000

GUILLORY, WILLIAM A; *STRUCTURE AND REACTIONS OF THE OXIDES OF NITROGEN IN URBAN ATMOSPHERES (P034141 X00)*; 12 MONTHS $45,000

ESB RESEARCH CENTER

PILLA, ARTHUR A; *A WORKSHOP IN BIOELECTROCHEMISTRY (P030149)*; 12 MONTHS $11,000

LEHIGH UNIVERSITY

YOUNG, THOMAS E; *SULFUR BONDING IN POTENTIALLY AROMATIC DITHIA HETEROCYCLIC COMPOUNDS (P008597 002)*; 12 MONTHS $12,000

PENNSYLVANIA STATE UNIVERSITY

POLO, S R, AND MCCUBBIN, T K JR; *HIGH RESOLUTION MOLECULAR SPECTROSCOPY (P014485 002)*; 24 MONTHS $60,000

FRITZ, J J, BERNHEIM, R A, AND STEELE, W A; *LOW TEMPERATURE RESEARCH IN PHYSICAL CHEMISTRY IN THE CRYOGENICS LABORATORY (P016088 002)*; 24 MONTHS $165,000

DENO, NORMAN C; *SELECTIVE CHLORINATION AND OXIDATION OF REMOTE UNACTIVATED C-H BONDS (P023759 X01)*; 12 MONTHS $23,100

RIEHL, J W; *LINE-BROADENING STUDIES OF THE SYMMETRIC STRETCH IN SPHERICAL TOP MOLECULES (P033412)*; 24 MONTHS $30,600

JACKMAN, LLOYD M; *REACTIONS OF AMBIDENT ANIONS (P033903)*; 24 MONTHS $39,200

UNIVERSITY OF PENNSYLVANIA

HAMEKA, HENDRIK F; *USE OF GREEN FUNCTION TECHNIQUES IN ATOMIC AND MOLECULAR CALCULATIONS (P010710 001)*; 24 MONTHS $40,200

ROBERTS, BRYAN W; *SYNTHESIS AND STUDY OF SUBSTITUTED CYCLOBUTADIENES (P013368 001)*; 24 MONTHS $43,300

CAVA, MICHAEL P; *CONDENSED CYCLOBUTANE AROMATIC COMPOUNDS AND RELATED STUDIES (P024057 X01)*; 12 MONTHS $36,700

HOCHSTRASSER, ROBIN M, AND RENTZEPIS, P M; *ULTRAFAST SPECTROSCOPY (P025334 X01)*; 12 MONTHS $37,000

DONOHUE, JERRY; *STRUCTURAL STUDIES OF COMPOUNDS OF BIOLOGICAL INTEREST (P033782 X00)*; 12 MONTHS $29,600

THORNTON, EDWARD R; *ORIGIN AND INTERPRETATION OF ISOTOPE EFFECTS-SOLVOLYSIS MECHANISMS AND BIOCHEMICAL STUDIES (P034491 X00)*; 12 MONTHS $73,400

UNIVERSITY OF PITTSBURGH

COETZEE, JOHANNES F; *THERMODYNAMICS AND KINETICS OF REACTIONS IN DIPOLAR APROTIC SOLVENTS (P016342 001)*; 12 MONTHS $25,000

DOWD, PAUL; *CHEMISTRY OF TRIMETHYLENEMETHANE (P023881 001)*; 24 MONTHS $49,100

MILLER, FOIL A; *VIBRATIONAL SPECTROSCOPY (P024727 001)*; $5,400

ARNETT, EDWARD M; *PROTON TRANSFER, HYDROGEN BONDING AND ION PAIRING (P031565 X00)*; 12 MONTHS $54,300

KAUFMAN, FREDERICK; *GAS PHASE RECOMBINATION RATES (P032495 X00)*; 12 MONTHS $17,000

MILLER, FOIL A; *VIBRATIONAL SPECTRA OF ORGANOMETALLIC SUBSTANCES (P033186)*; 24 MONTHS $39,500

RHODE ISLAND

BROWN UNIVERSITY

COLE, ROBERT H; *DIELECTRIC PROPERTIES AND MOLECULAR INTERACTIONS IN GASES (P031185)*; 24 MONTHS $53,900

WARD, HAROLD R, AND LAWLER, RONALD G; *CHEMICALLY INDUCED DYNAMIC NUCLEAR POLARIZATION -ITS RELATION TO THE REACTIONS AND STRUCTURES OF ORGANIC FREE RADICALS (P033896 X00)*; 12 MONTHS $38,500

SOUTH CAROLINA

UNIVERSITY OF SOUTH CAROLINA

DURIG, JAMES R; *FAR INFRARED AND RAMAN SPECTRA OF SOME MOLECULAR CRYSTALS (P020723 001)*; 24 MONTHS $46,300

PETERSON, PAUL E; *SUBSTITUTED HALONIUM IONS (P030683)*; 24 MONTHS $50,000

MERCER, E E; *HALOGEN BRIDGE COMPLEXES OF TRANSITION METAL IONS (P033280)*; 24 MONTHS $39,800

DURIG, JAMES R, AND ODOM, JEROME D; *MICROWAVE, RAMAN AND FAR INFRARED SPECTRA AND STRUCTURE OF SEVERAL ORGANOPHOSPHORUS AND BORON-PHOSPHORUS COMPOUNDS (P033780)*, 24 MONTHS $39,200

UNIVERSITY OF WISCONSIN, MADISON

LARSEN, EDWIN M; *REDUCED STATES OF THE TRANSITIONAL ELEMENTS (P009300 001)*; 12 MONTHS $22,100

SHAIN, IRVING; *RATES AND MECHANISMS OF ELECTRODE REACTIONS (P012221 002)*; 12 MONTHS $39,600

WALTERS, JOHN P; *SHORT-TIME REACTIONS IN SPARK DISCHARGES (P013975 001)*; 12 MONTHS $75,000

SUNDARALINGAM, MUTTAIYA; *STRUCTURAL STUDIES (P015977 001)*; 24 MONTHS $38,500

WHITESIDES, THOMAS H; *UNIMOLECULAR REARRANGEMENTS OF TRANSITION METAL COMPLEXES (P016358 001)*; 24 MONTHS $34,600

TREICHEL, PAUL M; *ORGANOMETALLIC CHEMISTRY (P017207 002)*; 12 MONTHS $21,300

DAHL, LAWRENCE F; *STRUCTURAL SYSTEMATICS IN ORGANOMETALLIC COMPLEXES (P019175 X02)*; 12 MONTHS $63,600

DAHL, LAWRENCE F; *STRUCTURAL SYSTEMATICS IN ORGANOMETALLIC COMPLEXES (P019175 X03)*; $41,800

GOERING, HARLAN L; *EQUILIBRIUM STUDIES OF CARBONIUM ION PROCESSES (P021116 X01)*; 12 MONTHS $30,200

DANCE, IAN G; *TRANSITION METAL DITHIOLENE COMPLEXES (P024443 X00)*; 12 MONTHS $15,400

BERNSTEIN, RICHARD B; *MOLECULAR BEAM SCATTERING (P026014 002)*; 12 MONTHS $111,400

WOODS, R CLAUDE; *MICROWAVE SPECTROSCOPY OF TRANSIENT SPECIES WITH LIFETIMES IN MILLISECOND RANGE (P028612 001)*; 12 MONTHS $20,500

TROST, BARRY M; *NEW APPROACHES TO THE SYNTHESIS OF ORGANIC COMPOUNDS (P032038 X00)*; 12 MONTHS $43,800

WEST, ROBERT; *CONJUGATED DERIVATIVES OF PERHALOGENATED CYCLIC COMPOUNDS (P032081)*; 24 MONTHS $81,300

CASEY, CHARLES P; *PREPARATION AND REACTIONS OF METAL-CARBENE COMPLEXES (P032160)*; 24 MONTHS $27,800

ZIMMERMAN, HOWARD E; *MECHANISTIC AND EXPLORATORY ORGANIC PHOTOCHEMISTRY (P033291 X00)*; 12 MONTHS $30,000

NELSEN, STEPHEN F; *OXIDATION OF HYDRAZINES (P034438 X00)*; 12 MONTHS $16,000

WYOMING

UNIVERSITY OF WYOMING

HOLT, SMITH L; *ELECTRONIC STRUCTURE OF TRANSITION METAL IONS (P015432 001)*; 24 MONTHS $38,500

COATES, GEOFFREY E; *SYNTHETIC STUDIES IN BERYLLIUM CHEMISTRY (P025309 X01)*; 12 MONTHS $27,300

SOCIAL SCIENCES

ANTHROPOLOGY

ALASKA

UNIVERSITY OF ALASKA

HIPPLER, ARTHUR E; *URBAN ACCULTURATION IN ALASKA (S003026 001)*; 6 MONTHS $24,000

ARIZONA

ARIZONA STATE UNIVERSITY

SCHOENWETTER, JAMES; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY (S032388)*; 24 MONTHS $2,600

MUSEUM OF NORTHERN ARIZONA

LIPE, WILLIAM D; *PREHISTORIC CULTURAL ADAPTATION IN THE CEDAR MESA AREA, SOUTHEAST UTAH (S033413 X00)*; 12 MONTHS $47,900

UNIVERSITY OF ARIZONA

JELINEK, ARTHUR J; *THE PREHISTORIC CAVE SITE OF TABUN (S002696 001)*; 24 MONTHS $36,900

BLEIBTREU, H K; *ANTHROPOMETRICS OF GROWTH IN A MULTI-ETHNIC COMMUNITY (S031838)*; 12 MONTHS $27,300

LONGACRE, WILLIAM A, AND THOMPSON, RAYMOND H; *ARCHAEOLOGICAL INVESTIGATIONS AT THE GRASSHOPPER RUIN, ARIZONA (S033436)*; 12 MONTHS $54,400

CALIFORNIA

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE

BLACK, MARY B; *INTEGRATION OF COGNITIVE DOMAINS (S030178)*; 12 MONTHS $26,300

STANFORD UNIVERSITY

BEFU, HARUMI; *INSTITUTIONAL AND MOTIVATIONAL FACTORS IN INTERPERSONAL RELATIONS (S002370 004)*; 13 MONTHS $24,000

WOLF, ARTHUR P; *LAND DISTRIBUTION PROCESSES IN RURAL SOCIETIES (S030626 X00)*; 12 MONTHS $24,500

COLLIER, GEORGE A; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY (S031732)*; 15 MONTHS $4,500

GREENBERG, JOSEPH H; *GENETIC CLASSIFICATION OF SOUTH AND CENTRAL AMERICAN LANGUAGES (S031968)*; 18 MONTHS $37,900

SKINNER, G WILLIAM, AND WINCKLER, EDWIN A; *THE DYNAMICS OF ORGANIZATIONAL PROCESS IN CHINA (S033955)*; 12 MONTHS $64,900

FRAKE, CHARLES O; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY (S034765)*; 24 MONTHS $3,900

UNIVERSITY OF CALIFORNIA, BERKELEY

ALVAREZ, LUIS W; *JOINT U.S.-U.A.R. PYRAMID PROJECT (F029875 001)*; 12 MONTHS $32,700

ISAAC, GLYNN L; *EAST AFRICAN PREHISTORY AND PALEOENVIRONMENT (S002344 002)*; $6,700

HOWELL, F CLARK; *EARLY PHASES OF HOMINID EVOLUTION (S027768 001)*; 12 MONTHS $87,900

ISAAC, GLYNN L; *EARLY HOMINID FOSSILS IN THE EAST RUDOLF AREA (S028607 001)*; 24 MONTHS $98,900

GEOGHEGAN, WILLIAM H; *MARINE SUBSISTENCE PATTERNS AND SOCIO-ECOLOGICAL CONTEXTS (S030526)*; 24 MONTHS $40,300

GUMPERZ, JOHN J; *COMMUNICATIVE COMPETENCE OF BILINGUALS (S030546)*; 24 MONTHS $77,900

CLARK, J DESMOND; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY (S031711)*; 8 MONTHS $4,650

WASHBURN, SHERWOOD L; *PRIMATE STUDIES AND HUMAN EVOLUTION (S031943 X00)*; 12 MONTHS $42,600

UNIVERSITY OF CALIFORNIA, IRVINE

ROMNEY, A KIMBALL; *DOCTORAL DISSERTATION RESEARCH IN LINGUISTICS (S031225)*; 12 MONTHS $2,900

COLBY, BENJAMIN N; *EIDOCHRONIC ANALYSIS OF IXIL MAYA TEXTS (S032252)*; 24 MONTHS $48,200

UNIVERSITY OF CALIFORNIA, LOS ANGELES

PLOG, FRED T, AND HILL, JAMES N; *ORGANIZATIONAL INNOVATIONS IN THE CHEVELON DRAINAGE, ARIZONA (S028606 001)*; 24 MONTHS $48,800

HILL, JAMES N; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY (S030083)*; 12 MONTHS $4,960

BERGER, RAINER; *DOCTORAL DISSERTATION RESEARCH IN PHYSICAL ANTHROPOLOGY (S030309)*; 12 MONTHS $3,100

MEIGHAN, CLEMENT W; *REPORT ON NORTH CHILEAN ARCHAEOLOGY (S033513)*; 12 MONTHS $9,300

LEAF, MURRAY J; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY (S034073)*; 18 MONTHS $4,800

COLORADO

UNIVERSITY OF COLORADO

HACKENBERG, ROBERT A; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY (S031638)*; 12 MONTHS $3,400

HACKENBERG, ROBERT A; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY (S031638 001)*; $750

CONNECTICUT

YALE UNIVERSITY

PILBEAM, DAVID; *EARLY PHASES OF HOMINID AND PONGID EVOLUTION (S003240 001)*; 24 MONTHS $55,500

CHANG, KWANG-CHIH; *THE PREHISTORY OF TAIWAN (S028089 001)*; 24 MONTHS $65,200

STANKIEWICZ, EDWARD; *THE ACCENT PATTERNS OF THE SLAVIC LANGUAGES (S031281)*; 12 MONTHS $8,300

CONKLIN, HAROLD C; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY (S031637)*; 18 MONTHS $2,300

ROUSE, IRVING; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY (S031745)*; 8 MONTHS $4,060

LAMB, SIDNEY; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY (S034040)*; 15 MONTHS $3,300

YALE UNIVERSITY-PEABODY MUSEUM OF NATURAL HISTORY

PILBEAM, DAVID, AND SIMONS, ELWYN L; *BEHAVIORAL AND MORPHOLOGICAL STUDY OF THE CHIMPANZEE 'PAN PANISCUS' (S032741)*; 36 MONTHS $41,600

DISTRICT OF COLUMBIA

AMERICAN UNIVERSITY

MCNETT, CHARLES W JR; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY (S030326)*; 12 MONTHS $2,700

CATHOLIC UNIVERSITY OF AMERICA

GARDNER, WILLIAM M; *PALEO-INDIAN CULTURAL SYSTEMS IN THE SHENANDOAH VALLEY, VIRGINIA (S033954)*; 12 MONTHS $24,900

FLORIDA

UNIVERSITY OF FLORIDA

MOORE, G ALEXANDER; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY (S031215)*; 12 MONTHS $1,250

GEORGIA

UNIVERSITY OF GEORGIA

CRAWFORD, JAMES M; *SOUTHEASTERN INDIAN LANGUAGE PROJECT* (*S028812 X01*); 12 MONTHS $28,900

HAWAII

BERNICE P BISHOP MUSEUM

GREEN, ROGER C, AND YEN, DOUGLAS E; *THE PREHISTORY OF THE SOUTHEAST SOLOMON ISLANDS* (*S002977 001*); $6,500

SAHLINS, MARSHALL D; *HAWAIIAN SOCIAL MORPHOLOGY AND ECONOMY IN THE LATE PREHISTORIC AND EARLY HISTORIC PERIODS* (*S028718 X01*); 12 MONTHS $45,000

UNIVERSITY OF HAWAII

STAROSTA, STANLEY; *TAIWAN SYNTACTIC COMPARISON* (*S033334*); 24 MONTHS $13,500

GRACE, GEORGE W; *NEW CALEDONIAN LINGUISTICS* (*S028548 001*); 24 MONTHS $20,900

HOWARD, ALAN; *DEMOGRAPHIC APPROACHES TO SOCIAL BEHAVIOR* (*S030292*); 24 MONTHS $43,700

BOGGS, STEPHEN T; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S031731*); 12 MONTHS $4,000

JOSEPHS, LEWIS S; *A GRAMMAR OF PALAUAN* (*S033639*); 12 MONTHS $9,800

ILLINOIS

FIELD MUSEUM OF NATURAL HISTORY

COLE, GLEN H, AND KLEINDIENST, MAXINE R; *ANALYSIS OF ISIMILA SITE MATERIALS* (*S031837*); 24 MONTHS $37,600

NORTHWESTERN UNIVERSITY

COHEN, RONALD; *THE ORIGINS OF THE STATE* (*S033625*); 27 MONTHS $40,900

BROWN, JAMES A; *ARCHAEOLOGICAL DATA PROCESSING* (*S033865*); 12 MONTHS $20,000

SOUTHERN ILLINOIS UNIVERSITY - CARBONDALE

TAYLOR, WALTER W; *THE CAVE CULTURES OF COAHUILA, MEXICO* (*S030560*); 12 MONTHS $17,700

MULLER, JON D; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S030656*); 9 MONTHS $6,100

HANDLER, JEROME S; *ACCULTURATIVE PROCESSES IN NEW WORLD AFRICAN CULTURES* (*S030993*); 12 MONTHS $24,800

UNIVERSITY OF CHICAGO

FREEMAN, LESLIE G; *MOUSTERIAN ARTIFACT ASSEMBLAGES* (*S002107 001*); 12 MONTHS $1,500

FREEMAN, LESLIE G; *MOUSTERIAN ARTIFACT ASSEMBLAGES* (*S002107 002*); $25,500

HAMP, ERIC P; *A STUDY OF VANNETAIS BRETON* (*S028816 001*); 12 MONTHS $21,300

COHN, BERNARD S; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S030153*); 12 MONTHS $3,500

BRAIDWOOD, ROBERT J; *ANALYSIS OF EXCAVATED MATERIALS FROM SOUTHEASTERN TURKEY* (*S030365*); 12 MONTHS $9,800

BRAIDWOOD, ROBERT J; *LATE PREHISTORY AND PALEOENVIRONMENTS OF SOUTHWESTERN ASIA* (*S030365 002*); 12 MONTHS $54,300

OXNARD, CHARLES E; *FORM IN PRIMATE EVOLUTION* (*S030508*); 24 MONTHS $95,000

TUTTLE, RUSSELL H; *DOCTORAL DISSERTATION RESEARCH IN PHYSICAL ANTHROPOLOGY* (*S031733*); 15 MONTHS $2,200

DIFFLOTH, GERARD F; *A GRAMMAR AND DICTIONARY OF SEMAI* (*S033211*); 17 MONTHS $23,200

UNIVERSITY OF ILLINOIS AT URBANA

WHITTEN, NORMAN E JR, AND WHITTEN, DOROTHEA S; *LOWLAND QUECHUA ETHNICITY* (*S002999 001*); 24 MONTHS $54,600

GROVE, DAVID C; *ARCHAEOLOGICAL INVESTIGATIONS AT CHALCATZINGO* (*S031017*); 12 MONTHS $22,100

BRUNER, EDWARD M; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S034864*); 18 MONTHS $4,750

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

VOEGELIN, C F; *DOCTORAL DISSERTATION RESEARCH IN LINGUISTICS* (*S030138*); 12 MONTHS $1,350

IOWA

UNIVERSITY OF IOWA

HELM, JUNE, AND HOWREN, ROBERT; *LINGUISTIC AND CULTURAL VARIATION AMONG ATHAPASKAN INDIANS* (*S003057 001*); 24 MONTHS $77,100

KANSAS

UNIVERSITY OF KANSAS

KINKADE, M DALE; *LINGUISTICS OF THE PACIFIC NORTHWEST* (*S002561 001*); 24 MONTHS $54,200

KENTUCKY

UNIVERSITY OF LOUISVILLE

KRUMHOLZ, LOUIS A; *RELATIONS OF PREHISTORIC MAN AND HIS MARINE RESOURCES* (*S033512*); 24 MONTHS $23,900

LOUISIANA

TULANE UNIVERSITY

WAUCHOPE, ROBERT; *PREPARATION OF 'THE HANDBOOK OF MIDDLE AMERICAN INDIANS'* (*S029247 X01*); 12 MONTHS $33,400

PENG, FRED C C; *A COMPARATIVE STUDY OF AINU DIALECTS* (*S033672*); 24 MONTHS $26,200

MAINE

UNIVERSITY OF MAINE, ORONO

SANGER, DAVID; *PREHISTORIC ENVIRONMENT-SUBSISTENCE RELATIONSHIPS IN MAINE* (*S033414*); 12 MONTHS $22,900

MARYLAND

JOHNS HOPKINS UNIVERSITY

DYSON-HUDSON, NEVILLE, AND DYSON-HUDSON, RADA; *COMPARATIVE AND METHODOLOGICAL STUDIES IN HUMAN ECOLOGY* (*S028972 X01*); $14,400

DYSON-HUDSON, NEVILLE, AND DYSON-HUDSON, RADA; *COMPARATIVE AND METHODOLOGICAL STUDIES IN HUMAN ECOLOGY* (*S028972 X02*); 12 MONTHS $49,300

MASSACHUSETTS

HARVARD UNIVERSITY

HOWELLS, WILLIAM W; *PUBLICATION OF 'CRANIAL VARIATION IN MAN* (*N030931**); 12 MONTHS $9,100

MOSELEY, MICHAEL E; *PREHISTORIC URBAN-RURAL RELATIONSHIPS* (*S029323 X01*); 12 MONTHS $28,600

OLIVER, DOUGLAS L; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S030156*); 24 MONTHS $5,900

OLIVER, DOUGLAS L; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S030243*); 18 MONTHS $2,300

HOWELLS, W W; *DOCTORAL DISSERTATION RESEARCH IN PHYSICAL ANTHROPOLOGY* (*S030379*); 3 MONTHS $1,000

KERNAN, KEITH T; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S031226*); 12 MONTHS $4,150

LAMBERG-KARLOVSKY, C C; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S031960*); 24 MONTHS $1,800

LAMBERG-KARLOVSKY, C C; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S031960 001*); $7,900

MOSELEY, MICHAEL E; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S034692*); 16 MONTHS $7,700

WILLIAMS, STEPHEN; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S035052*); 6 MONTHS $2,400

ROBERT S PEABODY FOUNDATION OF ARCHAEOLOGY

MACNEISH, RICHARD S; *THE ORIGINS OF AGRICULTURE AND CIVILIZATION IN HIGHLAND PERU* (*S002927 001*); 11 MONTHS $49,100

UNIVERSITY OF MASSACHUSETTS, AMHERST

WOODBURY, RICHARD; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S030636*); 7 MONTHS $2,950

FRASER, THOMAS M JR; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S031594*); 6 MONTHS $2,000

FRASER, THOMAS M JR; *CULTURAL RESPONSE TO NATURAL DISASTER AND RESETTLEMENT* (*S031944*); 6 MONTHS $750

MICHIGAN

UNIVERSITY OF MICHIGAN

WHALLON, ROBERT JR; *HUMAN POST-GLACIAL ADAPTATIONS IN THE MESOLITHIC PERIOD* (*S029240 X01*); 12 MONTHS $33,500

GRIFFIN, JAMES B; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S030167*); 11 MONTHS $6,650

PARSONS, JEFFREY R; *PREHISPANIC SETTLEMENT PATTERNS IN THE VALLEY OF MEXICO* (*S031911*); 24 MONTHS $46,500

FLANNERY, KENT V; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S032066*); 12 MONTHS $5,300

WOLPOFF, MILFORD H; *LOWER PLEISTOCENE HOMINID MORPHOLOGY* (*S033035*); 6 MONTHS $11,500

MINNESOTA

UNIVERSITY OF MINNESOTA

KISTE, ROBERT C; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S030152*); 13 MONTHS $3,400

MISSOURI

UNIVERSITY OF MISSOURI, COLUMBIA

ROWLETT, RALPH; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (S031927); 12 MONTHS $4,400

GAVAN, JAMES A, AND DWYER, SAMUEL J; *FUNCTIONAL SHAPE ANALYSIS OF PRIMATE SKELETAL MATERIALS* (S033410); 12 MONTHS $20,300

WOOD, W RAYMOND; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (S033953); 12 MONTHS $4,600

WASHINGTON UNIVERSITY

LEBLANC, STEVEN A, AND WATSON, PATTY JO; *PREHISTORIC CULTURE AND ENVIRONMENT IN WEST CENTRAL NEW MEXICO* (S032987); 24 MONTHS $69,000

NEBRASKA

DANA COLLEGE

LEHMER, DONALD J; *CULTURAL ECOLOGY OF THE HIDATSA INDIANS* (S003003 001); 12 MONTHS $26,200

UNIVERSITY OF NEBRASKA AT LINCOLN

HENNING, DALE R; *ANALYSIS OF AN ONEOTA SUBSISTENCE SYSTEM* (S033407); 12 MONTHS $12,400

NEW JERSEY

PRINCETON UNIVERSITY

SILVERMAN, MARTIN G; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (S030654), 12 MONTHS $2,350

NEW MEXICO

SCHOOL OF AMERICAN RESEARCH

SCHWARTZ, DOUGLAS W; *CULTURAL AND ECOLOGICAL RAMIFICATIONS OF POPULATION GROWTH* (S028001 X01); $23,380

SCHWARTZ, DOUGLAS W; *CULTURAL AND ECOLOGICAL RAMIFICATIONS OF POPULATION GROWTH* (S028001 X02); 12 MONTHS $68,900

UNIVERSITY OF NEW MEXICO

BINFORD, LEWIS R; *THE ECONOMICS OF ESKIMO HUNTING- PAST AND PRESENT* (S028660 X01), 12 MONTHS $30,100

NEW YORK

CITY COLLEGE

MCLENDON, SALLY; *A DICTIONARY OF EASTERN POMO* (S032153); 12 MONTHS $15,600

COLUMBIA UNIVERSITY

SOLECKI, RALPH S; *PALEOZOOLOGICAL INVESTIGATIONS FROM THE MIDDLE PALEOLITHIC TO THE NEOLITHIC IN THE NEAR EAST* (S002828 001); 24 MONTHS $41,700

HARRIS, MARVIN; *AUTHORITY AND SUPERORDINATION IN URBAN FAMILIES* (S002916 001); 20 MONTHS $22,000

COHEN, MYRON L, AND PASTERNAK, BURTON; *SOCIAL AND ECONOMIC ATTRIBUTES OF A RURAL SOCIETY* (S028179 X01); 12 MONTHS $27,000

COHEN, MYRON L, AND PASTERNAK, BURTON; *SOCIAL AND ECONOMIC ATTRIBUTES OF A RURAL SOCIETY* (S028179 X02); $2,000

HOLLOWAY, RALPH L; *EVOLUTION OF THE HUMAN BRAIN* (S029231 X01); 12 MONTHS $11,300

PITKIN, HARVEY; *DOCTORAL DISSERTATION RESEARCH IN LINGUISTICS* (S030137); 24 MONTHS $4,000

VAYDA, A P; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (S030290); 18 MONTHS $6,800

MURPHY, ROBERT F; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (S030652); 12 MONTHS $2,650

PITKIN, HARVEY; *DOCTORAL DISSERTATION RESEARCH IN LINGUISTICS* (S031403), 12 MONTHS $5,200

PITKIN, HARVEY; *A DICTIONARY OF YUKI, A LANGUAGE OF NORTHERN CALIFORNIA* (S032154), 12 MONTHS $11,100

FRIED, MORTON H; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (S032389); 24 MONTHS $5,100

JOHNSON, ALLEN W; *COGNITION AND BEHAVIOR IN SUBSISTENCE ECOLOGY* (S033012); 30 MONTHS $57,100

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GRIMES, JOSEPH E; *CROSS LANGUAGE STUDY OF DISCOURSE STRUCTURES* (S003180 001); 24 MONTHS $44,600

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SMITH, ROBERT J; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (S030507); 12 MONTHS $5,000

HUNTER COLLEGE

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STATE UNIVERSITY AT BINGHAMTON

VAN DER MERWE, NIKOLAAS; *ARCHAEOLOGY OF THE IRON AGE IN THE PHALABORWA AREA* (S032986 X00); 16 MONTHS $48,900

VAN DER MERWE, NIKOLAAS J; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (S034876); 24 MONTHS $6,500

STATE UNIVERSITY AT BUFFALO

NAROLL, RAOUL; *ACCULTURATION SEQUENCES* (S030561); 12 MONTHS $27,600

TEACHERS COLLEGE

COMITAS, LAMBROS; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (S034995); 12 MONTHS $3,900

UNIVERSITY OF ROCHESTER

DAY, CHRISTOPHER; *JACALTEC DICTIONARY* (S030421); 19 MONTHS $22,600

DAY, CHRISTOPHER; *JACALTEC DICTIONARY* (S030421 001); $1,200

DAY, CHRISTOPHER; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (S030653); 12 MONTHS $2,100

DAY, CHRISTOPHER; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (S030653 001); 12 MONTHS $3,600

NORTH CAROLINA

DUKE UNIVERSITY

BUETTNER-JANUSCH, JOHN; *PRIMATE HEMOGLOBINS* (S030657 X00); 12 MONTHS $46,300

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HONIGMANN, JOHN J; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (S030275); 24 MONTHS $7,500

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UNIVERSITY OF OKLAHOMA

DUBOIS, ROBERT L; *DEVELOPMENT OF AN ARCHEOMAGNETIC CHRONOLOGY FOR MESOAMERICA* (S029188 X01); 12 MONTHS $29,000

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UNIVERSITY OF OREGON - EUGENE

AIKENS, C MELVIN; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (S030274); 12 MONTHS $4,900

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PENNSYLVANIA STATE UNIVERSITY

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WALLACE, ANTHONY F C; *CULTURE CHANGE IN THE INDUSTRIAL REVOLUTION* (S033036); 24 MONTHS $59,400

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RICE UNIVERSITY

GAMST, FREDERICK C; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S031237*); 12 MONTHS $2,750

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WENDORF, FRED; *PREHISTORY OF THE RIFT VALLEY* (*S027325 001*); 24 MONTHS $68,600

MARKS, ANTHONY E; *PREHISTORIC SETTLEMENT AND INTRASITE PATTERNING IN THE CENTRAL NEGEV, ISRAEL* (*S028602 X01*); 12 MONTHS $54,700

WENDORF, FRED; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S030639*); 6 MONTHS $2,400

MARKS, ANTHONY; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S032074*); 8 MONTHS $2,900

WETHERINGTON, RONALD K; *HIGHLAND MAYAN CERAMICS* (*S032328*); 12 MONTHS $22,600

SAMPSON, C GARTH; *ARCHAEOLOGY OF THE BRITISH ACHEULIAN* (*S032594*); 12 MONTHS $35,700

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WARDLAW, FRANK H; *PUBLICATION OF URBANIZATION AT TEOTIHUACAN, MEXICO, VOLUME I* (*N031397**); 54 MONTHS $18,300

WARDLAW, FRANK H; *PUBLICATION OF 'SAN LORENZO- OLMEC MAN AND OLMEC LAND'* (*N031447**); 60 MONTHS $22,900

SELBY, HENRY A; *DECISION-MAKING IN CULTURE* (*S030563*); 12 MONTHS $28,400

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KLEIN, RICHARD G; *EXCAVATION OF MIDDLE STONE AGE SITES IN SOUTH AFRICA* (*S003013 001*); 12 MONTHS $6,800

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IRWIN, HENRY T, AND FRYXELL, ROALD; *ARCHAEOLOGY OF A PALEOLITHIC SITE IN SPAIN* (*S003005 001*); 12 MONTHS $5,500

DAUGHERTY, RICHARD D; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S031252*); 5 MONTHS $1,300

SASO, MICHAEL RALEIGH; *SOCIETY IN CHANGE* (*S033022*); 24 MONTHS $28,000

FERRELL, RALEIGH; *ETHNOGRAPHIC FIELDWORK AMONG THE RUKAI OF TAIWAN* (*S033514*); 24 MONTHS $12,000

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THOMPSON, DONALD E; *LATE PREHISTORY OF THE EASTERN SLOPES OF THE ANDES* (*S002836 002*); 12 MONTHS $4,700

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BAERREIS, DAVID A; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S030166*); 13 MONTHS $500

BAERREIS, DAVID A; *DOCTORAL DISSERTATION RESEARCH IN ANTHROPOLOGY* (*S030291*); 15 MONTHS $1,650

ROBINSON, J T; *DOCTORAL DISSERTATION RESEARCH IN PHYSICAL ANTHROPOLOGY* (*S034039*); 12 MONTHS $2,500

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FOWLER, MELVIN L; *CAHOKIA ARCHAEOLOGY* (*S003006 001*); 15 MONTHS $56,600

TAPPEN, NEIL C; *THE ORGANIZATION OF BONE IN FOSSIL HOMINIDS* (*S030515*); 24 MONTHS $44,400

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EISNER, ROBERT; *INVESTMENT THEORY AND TECHNICAL PROGRESS* (*S002502 002*); $600

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SHELL, KARL; *INTERTEMPORAL ECONOMICS (S002421 002)*; $2,700

ANDO, ALBERT K; *ECONOMETRIC ANALYSIS OF THE U. S. ECONOMY (S032383 X00)*; 12 MONTHS $46,600

UNIVERSITY OF PENNSYLVANIA-WHARTON SCHOOL OF FINANCE AND COMMERCE

SHELL, KARL, AND HELLER, WALTER P; *INTERTEMPORAL ECONOMICS (S002421 001)*; 24 MONTHS $66,500

FRIEND, IRWIN, BLUME, MARSHALL, CROCKETT, JEAN, AND DHRYMES, PHOEBUS; *PORTFOLIO BEHAVIOR OF HOUSEHOLDS AND FINANCIAL INTERMEDIARIES (S032513)*; 24 MONTHS $90,000

RHODE ISLAND

BROWN UNIVERSITY

GROSSMAN, HERSCHEL I; *INFLATION, EMPLOYMENT, AND THE THEORY OF MARKETS (S002419 002)*; 24 MONTHS $29,600

TENNESSEE

UNIVERSITY OF TENNESSEE, KNOXVILLE

FEIWEL, GEORGE R; *INDUSTRIALIZATION AND CENTRAL PLANNING IN BULGARIA (S002970 001)*; $10,200

VANDERBILT UNIVERSITY

FINEGAN, T ALDRICH; *LABOR MARKET CONDITIONS AND THE LABOR FORCE PARTICIPATION OF MINORITIES (S003156 002)*; $2,300

TEXAS

RICE UNIVERSITY

LAND, JAMES W; *DISTRIBUTION OF INCOME AND WEALTH IN DEVELOPING COUNTRIES (S034581)*; 6 MONTHS $53,150

TEXAS A & M UNIVERSITY

GREENHUT, M L; *A THEORETICAL AND EMPIRICAL INVESTIGATION OF SPATIAL PRICING AND MARKET SIZES AND SHAPES (S031475)*; 12 MONTHS $42,200

SAVING, T R; *THE MICRO FOUNDATIONS OF MONETARY THEORY (S031995)*; 24 MONTHS $46,100

BASMANN, R L, BATTALIO, R C, AND KAGEL, J H; *INTERPRETATION SYSTEMS FOR EMPIRICAL ECONOMIC THEORIES (S032057)*; 12 MONTHS $49,000

UNIV OF TEXAS AT AUSTIN

KENDRICK, DAVID; *STOCHASTIC CONTROL IN MACROECONOMIC MODELS (S032271)*; 19 MONTHS $47,200

VIRGINIA

UNIVERSITY OF VIRGINIA

MCKEAN, ROLAND N; *IMPLICATIONS OF DIFFERENT RESOURCE RIGHTS (S031400 X00)*; 12 MONTHS $38,500

MCKEAN, ROLAND N; *IMPLICATIONS OF DIFFERENT RESOURCE RIGHTS (S031400 X01)*; $10,100

VIRGINIA POLYTECHNIC INSTITUTE

MEISELMAN, DAVID I; *STUDIES IN SHORT-TERM ECONOMIC FLUCTUATIONS (S031487)*; 15 MONTHS $60,100

BUCHANAN, JAMES M, AND TULLOCK, GORDON; *ECONOMIC ANALYSIS OF ORDER AND DISORDER (S033642 X00)*; 12 MONTHS $45,000

WASHINGTON

UNIVERSITY OF WASHINGTON

CHEUNG, STEVEN N S; *THEORETICAL AND EMPIRICAL INVESTIGATIONS OF CONTRACTS (S030085)*; 24 MONTHS $56,300

NORTH, DOUGLASS C, AND THOMAS, ROBERT P; *WESTERN ECONOMIC GROWTH, 1500-1850 (S033532 X00)*; 12 MONTHS $32,700

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

BALDWIN, ROBERT E; *DETERMINANTS OF THE STRUCTURE OF INTERNATIONAL TRADE (S030715)*; 24 MONTHS $72,400

WILLIAMSON, JEFFREY G; *DOCTORAL DISSERTATION RESEARCH IN ECONOMICS (S030954)*; 12 MONTHS $900

ANDREANO, RALPH L; *CONFERENCE ON PROBLEMS IN ECONOMIC HISTORY (S031574)*; 12 MONTHS $7,900

STERN, JAMES L; *DOCTORAL DISSERTATION RESEARCH IN INDUSTRIAL RELATIONS (S031647)*; 18 MONTHS $5,300

BRITO, DAGOBERT L; *ECONOMIC MODELS OF DISARMAMENT (S031786)*; 12 MONTHS $12,400

HESTER, DONALD D; *DOCTORAL DISSERTATION RESEARCH IN ECONOMICS (S032398)*; 12 MONTHS $900

SOCIOLOGY

CALIFORNIA

STANFORD UNIVERSITY

INKELES, ALEX; *DOCTORAL DISSERTATION RESEARCH IN EDUCATION (S030345)*; 12 MONTHS $5,950

COHEN, ELIZABETH G; *DOCTORAL DISSERTATION RESEARCH IN EDUCATIONAL ADMINISTRATION (S031277)*; 12 MONTHS $1,150

MEYER, JOHN W, AND HANNAN, MICHAEL T; *INTERRELATIONSHIPS OF NATIONAL EDUCATION SYSTEMS WITH OTHER NATIONAL SOCIAL SYSTEMS (S032065)*; 24 MONTHS $122,000

ZELDITCH, MORRIS JR, AND HANNAN, MICHAEL T; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY (S032128)*; 8 MONTHS $2,800

BERGER, JOSEPH, AND ZELDITCH, MORRIS JR; *STATUS CHARACTERISTICS AND EXPECTATION STATES THEORY AND RESEARCH (S034182)*; 18 MONTHS $93,800

UNIVERSITY OF CALIFORNIA, BERKELEY

PAIGE, JEFFERY M; *AGRARIAN SOCIAL MOVEMENTS AND THE STRUCTURE OF AGRICULTURAL EXPORT SECTORS (S031859)*; 24 MONTHS $56,800

STINCHOMBE, ARTHUR L; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY (S032343)*; 9 MONTHS $5,700

UNIVERSITY OF CALIFORNIA, LOS ANGELES

KUPER, LEO; *STUDIES ON SOCIAL DISORGANIZATION (S002516 001)*; 12 MONTHS $15,700

LEVINE, GENE N; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY (S030228)*; 12 MONTHS $1,000

KUPER, LEO; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY (S030311)*; 12 MONTHS $3,850

UNIVERSITY OF SOUTHERN CALIFORNIA

BOOCOCK, SARANE S; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY (S034867)*; 1[illegible] MONTHS $950

COLORADO

UNIVERSITY OF COLORADO

ELLIOTT, DELBERT; *METHODOLOGICAL RESEARCH IN SOCIOMETRY (S002876 001)*; $3,000

MAYER, THOMAS F; *SPECTRAL THEORY AND THE ANALYSIS OF SOCIAL CHANGE (S031913)*; 24 MONTHS $40,100

FLORIDA

FLORIDA ATLANTIC UNIVERSITY

TITTLE, CHARLES R, AND SCHWARTZ, MICHAEL; *SANCTIONS AND RULE BREAKING (S031744)*; 24 MONTHS $100,000

FLORIDA STATE UNIVERSITY

WELLER, ROBERT H; *IN-MIGRATION AND URBAN GROWTH (S030975)*; 21 MONTHS $8,700

ILLINOIS

DEPAUL UNIVERSITY

WILLIAMS, JUDITH A; *IDENTIFICATION WITH OTHERS AND SOCIAL MOBILITY (S031621)*; 24 MONTHS $37,100

NATIONAL OPINION RESEARCH CENTER

DAVIS, JAMES A; *A NATIONAL DATA PROGRAM FOR SOCIOLOGY (S031082 X00)*; 12 MONTHS $13,800

KING, BENJAMIN; *MODIFICATION OF THE NATIONAL PROBABILITY SAMPLE (S032097)*; 12 MONTHS $[illegible]58,000

NORTHWESTERN UNIVERSITY

RADNOR, MICHAEL, AND ZALTMAN, GERALD; *TECHNOLOGY AND THE INSTITUTIONALIZATION OF SCIENCE (S033963)*; 24 MONTHS $114,000

SOUTHERN ILLINOIS UNIVERSITY - CARBONDALE

LANTZ, HERMAN R; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY (S033863)*; 12 MONTHS $3,100

UNIVERSITY OF CHICAGO

CLARK, TERRY N; *COMPARATIVE STUDY OF COMMUNITY DECISION MAKING (S003162 001)*; $15,300

MCFARLAND, DAVID; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY (S030327)*; 12 MONTHS $800

MEIER, PAUL, AND KRUSKAL, WILLIAM H; *STATISTICAL METHODOLOGY IN THE SOCIAL SCIENCES (S031967 X00)*; 12 MONTHS $78,900

PARISH, WILLIAM L JR, AND LEVINSOHN, FLORENCE; *FACTORS AFFECTING THE SELECTION OF ARTICLES FOR SCIENTIFIC JOURNALS (S031975)*; 10 MONTHS $2,800

SEWELL, WILLIAM H JR; *SOCIAL AND POLITICAL MODERNIZATION (S032200)*; 24 MONTHS $38,300

LIEBERSON, STANLEY; *COMPARATIVE STUDY OF MINORITIES SINCE 1880 (S033542)*; 24 MONTHS $112,900

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

POPE, WHITNEY, AND JOHNSON, BARCLAY D; *AN EVALUATION AND TESTING OF DURKHEIM'S 'SUICIDE' (S030953)*; 24 MONTHS $25,000

PURDUE UNIVERSITY

PATCHEN, MARTIN, AND DAVIDSON, JAMES D; *DETERMINANTS AND EFFECTS OF INTER-RACIAL INTERACTION (S033357)*; 15 MONTHS $75,800

MARYLAND

JOHNS HOPKINS UNIVERSITY

COLEMAN, JAMES S; *THEORETICAL STUDIES OF COLLECTIVE DECISIONS (S002526 001)*; 13 MONTHS $9,200

ST MARY'S CITY COMMISSION

CARR, LOIS GREEN; *SOCIAL STRATIFICATION IN COLONIAL AMERICA (S032272)*; 12 MONTHS [illegible]

MASSACHUSETTS

BOSTON COLLEGE

NUTTALL, RONALD L; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY (S030371)*; 12 MONTHS $1,300

BRANDEIS UNIVERSITY

DEMOS, JOHN; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY ([illegible]35050)*; 12 MONTHS $2,400

DEMOS, JOHN; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY (S035051)*; 12 MONTHS $1,700

HARVARD UNIVERSITY

WHITE, HARRISON C; *A CALCULUS OF SOCIAL NETWORKS (S002689 001)*; 24 MONTHS $105,000

GERMANI, GINO; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY (S031675)*; 12 MONTHS $3,100

HEER, DAVID M; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY (S031886)*; 12 MONTHS $2,000

MOSTELLER, FREDERICK; *STUDIES OF QUANTITATIVE METHODS IN THE SOCIAL SCIENCES (S032327 X00)*, 12 MONTHS $64,000

PETTIGREW, THOMAS F; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY (S033627)*; 12 MONTHS $2,500

MICHIGAN

UNIVERSITY OF MICHIGAN

TILLY, CHARLES; *COLLECTIVE VIOLENCE IN LARGE-SCALE SOCIAL CHANGE (S002674 002)*; 24 MONTHS $89,700

TANNENBAUM, ARNOLD S; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY (S030838)*; 12 MONTHS $2,150

GAMSON, WILLIAM A; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY (S031402)*; 11 MONTHS $3,800

LAUMANN, EDWARD O; *A CROSS-NATIONAL STUDY OF SOCIAL NETWORKS AND COMMUNITY AND ORGANIZATIONAL STRATIFICATION (S032002)*; 24 MONTHS $72,200

EHRENKREUTZ, ANDREW S; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY (S033214)*, 9 MONTHS $4,200

MINNESOTA

UNIVERSITY OF MINNESOTA

CHAMBERS, CLARKE A; *DOCTORAL DISSERTATION RESEARCH IN HISTORY (S031689)*; 12 MONTHS $2,300

MISSISSIPPI

UNIVERSITY OF MISSISSIPPI

DEBORD, LARRY W; *THE EFFECTS OF SCHOOL MILIEUX ON ASPIRATIONS AND ACHIEVEMENTS OF PUPILS (S031402 X00)*; 12 MONTHS $22,700

NEW HAMPSHIRE

DARTMOUTH COLLEGE

SOKOL, ROBERT; *BEHAVIORAL CORRELATES OF STATUS INCONSISTENCY (S030545)*; 24 MONTHS $15,900

NEW JERSEY

PRINCETON UNIVERSITY

STONE, LAWRENCE; *CHANGES IN ENGLISH SOCIAL STRUCTURE (S028832 X01)*; 12 MONTHS $15,700

NEW YORK

COLUMBIA UNIVERSITY

BARTON, ALLEN H, AND GLASER, WILLIAM A; *THE BRAIN DRAIN- AN INTERNATIONAL COMPARATIVE STUDY (S002889 002)*; $9,900

TREIMAN, DONALD J; *SOCIETAL DEVELOPMENT AND SOCIAL MOBILITY (S028050 001)*; $6,800

BLAU, PETER M; *COMPARATIVE ORGANIZATION RESEARCH PROGRAM (S028646 X01)*; 12 MONTHS $85,200

BLAU, PETER; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY (S033271)*; 12 MONTHS $1,400

MERTON, ROBERT K; *THE SOCIOLOGY OF SCIENCE (S033359 X00*)*; 12 MONTHS $86,400

CORNELL UNIVERSITY

YOUNG, FRANK W; *MACROSOCIAL ACCOUNTING SYSTEMS FOR DEVELOPING COUNTRIES (S028991 X01)*; 12 MONTHS $51,300

WILLIAMS, ROBIN M JR; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY (S030173)*; 12 MONTHS $4,600

MEYER, MARSHALL W; *A LONGITUDINAL STUDY OF BUREAUCRACIES (S033509)*; 24 MONTHS $141,400

GRADUATE SCHOOL AND UNIVERSITY CENTER

DOHRENWEND, BARBARA; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY (S030407)*; 18 MONTHS $3,200

STATE UNIVERSITY AT ALBANY

LIN, NAN; *COMMUNICATION FLOW AND DECISION-MAKING PROCESS IN RURAL COMMUNITIES (S030820)*; 12 MONTHS $25,500

TEACHERS COLLEGE

KADUSHIN, CHARLES; *ANALYSIS OF SOCIOMETRIC DATA WITH THE AID OF COMPUTERS (S003231 001)*; $7,600

OHIO

UNIVERSITY OF CINCINNATI

JOHNSON, NORRIS; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY (S030086)*; 6 MONTHS $2,300

CARROLL, ROBERT L; *DOCTORAL DISSERTATION RESEARCH IN SOCIOLOGY (S030087)*; 12 MONTHS $2,150

PENNSYLVANIA

CARNEGIE-MELLON UNIVERSITY

LAING, JAMES D; *COALITIONS, BARGAINING AND PAYOFFS IN N-PERSON GAMES (S032161)*; 24 MONTHS $93,300

SOUTH CAROLINA

UNIVERSITY OF SOUTH CAROLINA

SMITH, THOMAS E; *PARENTAL POWER AND INFLUENCE UPON ADOLESCENTS (S030905 X00)*; 12 MONTHS $56,100

TENNESSEE

VANDERBILT UNIVERSITY

GALLE OMER R; *CONTINUITIES IN INDUSTRIAL CONFLICT (S033270)*; 12 MONTHS $36,300

WASHINGTON

UNIVERSITY OF WASHINGTON

PRESTON, SAMUEL H; *CAUSES OF DEATH- A SOCIAL AND DEMOGRAPHIC ANALYSIS (S033864)*; 12 MONTHS $29,100

WASHINGTON STATE UNIVERSITY

FREESE, LEE; *CONDITIONS FOR INHIBITING STATUS GENERALIZATIONS (S033690)*; 12 MONTHS $21,500

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

KLATZKY, SHEILA R; *THE INSTITUTIONALIZATION OF TRUST (S030378)*; 18 MONTHS $61,700

HAGSTROM, WARREN O; *STUDIES IN THE SOCIOLOGY OF SCIENCE* (*S033510 X00*); 12 MONTHS $47,100

SCHWARTZ, SHALOM; *DETERMINANTS OF PROSOCIAL BEHAVIOR* (*S034225 X00*); 12 MONTHS $21,700

HISTORY AND PHILOSOPHY OF SCIENCE

CALIFORNIA

ACALANES UNION HIGH SCHOOL DISTRICT

DOSKEY, JOHN S; *THE EUROPEAN JOURNALS OF THE GEOLOGIST, WILLIAM MACLURE* (*S030763*); 12 MONTHS $12,100

UNIVERSITY OF CALIFORNIA, BERKELEY

MATES, BENSON; *LEIBNIZ AND THE HISTORY OF LOGIC* (*S002667 002*); 24 MONTHS $19,300

HEILBRON, J L; *A HISTORY OF ATOMIC PHYSICS* (*S029242 X01*); 12 MONTHS $18,000

ADAMS, ERNEST W; *PROBABILISTIC ASPECTS OF DEDUCTIVE REASONING* (*S030564*); 12 MONTHS $29,900

FEYERABEND, PAUL K; *EPISODES OF THE COPERNICAN REVOLUTION* (*S031805*); 12 MONTHS $8,500

GHISELIN, MICHAEL T; *IMPACT OF DARWINISM ON COMPARATIVE ANATOMY* (*S033491*); 24 MONTHS $17,100

UNIVERSITY OF CALIFORNIA, LOS ANGELES

FURTH, MONTGOMERY; *RESEARCH IN THE HISTORY AND PHILOSOPHY OF LOGIC* (*S030655*); 12 MONTHS $20,900

CONNECTICUT

WESLEYAN UNIVERSITY

GILLMOR, C STEWART; *A STUDY OF THE HISTORY OF IONOSPHERIC PHYSICS* (*S030821*); 24 MONTHS $29,800

YALE UNIVERSITY

AABOE, ASGER H; *INVESTIGATIONS OF ANCIENT MATHEMATICAL ASTRONOMY* (*S0030[illegible]3 001*); 24 MONTHS $36,300

FRUTON, JOSEPH S; *HISTORICAL STUDIES ON THE INTERPLAY OF BIOLOGY AND CHEMISTRY* (*S030562*); 12 MONTHS $12,400

YALE UNIVERSITY-SCHOOL OF MEDICINE

HOLMES, FREDERIC L; *DEVELOPMENT OF ORGANIC ANALYSIS AND PHYSIOLOGICAL CHEMISTRY* (*S003086 001*); 2 MONTHS $7,500

DISTRICT OF COLUMBIA

CATHOLIC UNIVERSITY OF AMERICA

WALLACE, WILLIAM A; *GALILEO'S JUVENILIA* (*S032175*); 24 MONTHS $29,300

NATIONAL GRADUATE UNIVERSITY

BOEK, JEAN K; *A CONFERENCE ON 'COPERNICUS – YESTERDAY AND TODAY'* (*S033967*); 12 MONTHS $14,000

SMITHSONIAN INSTITUTION

REINGOLD, NATHAN; *THE PAPERS OF JOSEPH HENRY* (*S031693*); 24 MONTHS $62,000

ILLINOIS

UNIVERSITY OF CHICAGO

SHAPERE, DUDLEY; *RATIONALE OF SCIENTIFIC DEVELOPMENT* (*S003094 001*); $8,100

SCHAFFNER, KENNETH F; *DEVELOPMENT OF THE OPERON THEORY* (*S003099 001*); 12 MONTHS $6,900

BAKER, KEITH M; *DOCTORAL DISSERTATION RESEARCH IN HISTORY AND PHILOSOPHY OF SCIENCE* (*S030150*); 19 MONTHS $1,600

STOCKING, GEORGE W JR; *THE HISTORY OF BRITISH ANTHROPOLOGY- 1890-1930* (*S032273*); 12 MONTHS $5,500

UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE

TELLER, PAUL R; *BIOLOGICAL SPECIES CLASSIFICATION* (*S033684*); 12 MONTHS $5,200

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

THOREN, VICTOR E; *TYCHO BRAHE'S COSMOLOGICAL RESEARCHES AND IDEAS* (*S002928 001*); 12 MONTHS $13,700

GRANT, EDWARD; *THE CONCEPT AND ROLE OF VOID SPACE IN THE HISTORY OF MEDIEVAL PHYSICS AND COSMOLOGY* (*S030658*); 24 MONTHS $23,000

DUNN, J MICHAEL, AND MEYER, ROBERT K; *PROBLEMS OF LOGICAL IMPLICATION* (*S033708*); 24 MONTHS $30,600

MARYLAND

UNIVERSITY OF MARYLAND, COLLEGE PARK

BRUSH, STEPHEN G; *PROBLEMS IN THE HISTORY OF MODERN PHYSICAL SCIENCE* (*S002475 001*); 24 MONTHS $24,500

MASSACHUSETTS

AMERICAN ACADEMY OF ARTS AND SCIENCES

OLESON, ALEXANDRA; *CONFERENCE ON THE HISTORY OF AMERICAN SCIENTIFIC SOCIETIES* (*S033548*); 12 MONTHS $15,800

EDSALL, JOHN T; *CONFERENCE ON THE HISTORICAL DEVELOPMENT OF BIOENERGETICS* (*S033862*); 18 MONTHS $11,500

HAMPSHIRE COLLEGE

GOLDBERG, STANLEY; *ASPECTS OF RESPONSE TO EINSTEIN'S SPECIAL THEORY OF RELATIVITY* (*S031698*); 12 MONTHS $27,000

HARVARD UNIVERSITY

COHEN, I BERNARD; *THE SCIENTIFIC THOUGHT OF ISAAC NEWTON* (*S002063 X03*); 12 MONTHS $19,800

MURDOCH, JOHN E; *EARLY HISTORY OF THE MEASUREMENT OF MOTION* (*S002815 X01*); 12 MONTHS $14,700

MAYR, ERNST; *A HISTORY OF THE MAJOR PROBLEMS OF BIOLOGY* (*S032176*); 24 MONTHS $38,300

MENDELSOHN, EVERETT; *DOCTORAL DISSERTATION RESEARCH IN THE HISTORY OF SCIENCE* (*S033964*); 12 MONTHS $1,800

MICHIGAN

UNIVERSITY OF MICHIGAN

STENECK, NICHOLAS H; *EARLY DEVELOPMENTS IN ASTRONOMY* (*S033685*); 12 MONTHS $6,300

MISSOURI

WASHINGTON UNIVERSITY

ALLEN, GARLAND E; *THE EMBRYOLOGICAL, EVOLUTIONARY, AND GENETIC WORK OF THOMAS HUNT MORGAN* (*S002745 001*); 12 MONTHS $17,600

NEW JERSEY

PRINCETON UNIVERSITY

GILLISPIE, CHARLES C; *DOCTORAL DISSERTATION RESEARCH IN HISTORY OF SCIENCE* (*S030335*); 12 MONTHS $500

RORTY, RICHARD; *PSYCHOLOGY AND ANTI-CARTESIAN PHILOSOPHIES OF MIND* (*S033489*); 24 MONTHS $14,300

GLYMOUR, CLARK; *ASPECTS OF THEORETICAL EQUIVALENCE* (*S033492*); 14 MONTHS $10,400

HARMAN, GILBERT H; *LINGUISTICS AND THE SEMANTICS OF NATURAL LANGUAGE* (*S034036*); 18 MONTHS $17,400

NEW YORK

COLLEGE AT NEW PALTZ

HUANG, RAY; *DEVELOPMENT OF SCIENCE IN TRADITIONAL CHINA* (*S033544*); 12 MONTHS $11,100

CORNELL UNIVERSITY

ADELMANN, HOWARD B; *MALPIGHI'S CONTRIBUTIONS TO ANATOMY AND PHYSIOLOGY* (*S027404 X01*); 12 MONTHS $24,500

NEW YORK UNIVERSITY

BIRNBAUM, ALLAN; *RESEARCH ON METHODOLOGICAL PROBLEMS IN STATISTICS* (*S030708*); 6 MONTHS $6,100

STATE UNIVERSITY AT BINGHAMTON

TOULMIN, STEPHEN E, AND MISCHEL, THEODORE; *CONFERENCE ON PERSON PERCEPTION AND INTERPERSONAL BEHAVIOR* (*S031335*); 12 MONTHS $5,500

STATEN ISLAND COMMUNITY COLLEGE

ERLICHSON, HERMAN; *ETHER THEORY AND THE SPECIAL THEORY OF RELATIVITY* (*S030625*); 9 MONTHS $5,300

UNIVERSITY OF ROCHESTER

LEHRER, KEITH E; *THE APPLICATION OF INDUCTIVE RULES IN SCIENTIFIC EXPLANATION AND RATIONAL ACCEPTANCE* (*S003059 001*); 12 MONTHS $18,800

OHIO

OHIO STATE UNIVERSITY

BELKIN, JOHANNA S, AND CALEY, EARLE R; *EARLY GERMAN MEDICAL AND CHEMICAL WORKS* (*S029487 001*); $5,300

PENNSYLVANIA

FRANKLIN INSTITUTE

LEVITT, I M; *A SYMPOSIUM TO COMMEMORATE THE 400TH ANNIVERSARY OF THE BIRTH OF JOHANN KEPLER* (*S030831*); 12 MONTHS $10,900

HILKER, EMERSON, AND SINCLAIR, BRUCE; *HISTORICAL RECORDS OF THE FRANKLIN INSTITUTE* (*S033748*); 12 MONTHS $30,000

SWARTHMORE COLLEGE

HAWKINS, THOMAS W JR; *THE HISTORY OF MATRIX THEORY* (*S033488*); 12 MONTHS $4,000

UNIVERSITY OF PENNSYLVANIA

JEFFREY, RICHARD C; *A THEORY OF PREFERENCE (S003097 001)*; 12 MONTHS $9,300

MCCORMMACH, RUSSELL K; *DOCTORAL DISSERTATION RESEARCH IN HISTORY OF SCIENCE (S030889)*; 12 MONTHS $1,300

MCCORMMACH, RUSSELL K; *A HISTORY OF THE PHYSICS DISCIPLINE 1780-1914 (S032073)*; 24 MONTHS $36,700

UNIVERSITY OF PITTSBURGH

GRUNBAUM, ADOLF; *PHILOSOPHICAL PROBLEMS OF SPACE-TIME (S003107 001)*; 12 MONTHS $16,300

WASHINGTON

UNIVERSITY OF WASHINGTON

HANKINS, THOMAS L; *SIR WILLIAM ROWAN HAMILTON'S CONTRIBUTIONS TO SCIENCE (S002701 002)*; 12 MONTHS $5,000

MOFFETT, BENJAMIN C JR; *COMPLETION OF STUDY ON THE DUTCH ANATOMIST, LOUIS DE BILS (1624-1669) (S030486)*; 12 MONTHS $700

SLOAN, PHILLIP R; *COLLABORATIVE RESEARCH ON A HISTORY OF TAXONOMY (S033788)*; 24 MONTHS $5,200

WISCONSIN

MARQUETTE UNIVERSITY

ZUPKO, RONALD E; *EARLY ITALIAN AND FRENCH WEIGHTS AND MEASURES (S033866)*; 6 MONTHS $9,300

UNIVERSITY OF WISCONSIN, MADISON

DAUB, E E; *THE CLAUSIUS-TYNDALL CORRESPONDENCE (S033545)*; 24 MONTHS $13,400

SIEGFRIED, ROBERT; *BIOGRAPHY OF SIR HUMPHRY DAVY (S034037)*; 12 MONTHS $9,100

UNIVERSITY OF WISCONSIN, MILWAUKEE

HULL, DAVID L; *COLLABORATIVE RESEARCH ON A HISTORY OF TAXONOMY (S033683)*; 24 MONTHS $14,700

SPECIAL PROJECTS AND RESOURCES

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

THOMPSON, FREDERICK B; *THE IMPLEMENTATION OF AN ADVANCED COMPUTER SYSTEM FOR SOCIAL SCIENCE RESEARCH (J031573*)*; 9 MONTHS $25,000

CENTER FOR ADV STUDY IN THE BEHAVIORAL SCIENCE

CUTLER, PRESTON S; *SPECIAL PROGRAM OF RESEARCH SEMINARS AND CONFERENCES TO BE CONDUCTED BY THE MATHEMATICAL SOCIAL SCIENCE BOARD (S003254 001)*; 12 MONTHS $222,000

CUTLER, PRESTON S; *ADVANCED STUDY AND RESEARCH IN SOCIAL SCIENCES (S029713 X01)*; 12 MONTHS $92,800

STANFORD UNIVERSITY

FERGUSON, CHARLES A, AND GREENBERG, JOSEPH H; *ARCHIVAL RESEARCH ON LANGUAGE UNIVERSALS (S002941 001)*; 8 MONTHS $20,700

CLARK, EVE V; *THE ACQUISITION OF SEMANTIC DISTINCTIONS IN CHILDREN'S SPEECH (S030040)*; 30 MONTHS $55,100

FERGUSON, CHARLES A; *COMPARATIVE RESEARCH ON THE ACQUISITION OF PHONOLOGY (S030962)*; 24 MONTHS $163,500

UNIVERSITY OF CALIFORNIA, BERKELEY

WANG, WILLIAM S-Y, AND OHALA, JOHN; *PROGRAM OF RESEARCH ON THE PROCESSES OF PHONOLOGICAL CHANGE (S002386 001)*; 24 MONTHS $250,500

APPLEYARD, DONALD, AND CRAIK, KENNETH; *ENVIRONMENTAL DISPOSITIONS AND THE SIMULATION OF ENVIRONMENTS (S030984 X00*)*; 12 MONTHS $360,020

SLOBIN, DAN I; *DOCTORAL DISSERTATION RESEARCH IN LINGUISTICS (S031687)*; 12 MONTHS $6,000

BALDERSTON, F E; *OPERATION OF A MANAGEMENT SCIENCE RESEARCH FACILITY (S032138*)*; 12 MONTHS $170,100

UNIVERSITY OF CALIFORNIA, LOS ANGELES

MARVICK, DWAINE; *AN 'ARCHIVAL TAPE VOLUME' APPROACH TO SOCIAL SCIENCE DATA DISSEMINATION (S031251)*; 24 MONTHS $11,400

CONNECTICUT

HUMAN RELATIONS AREA FILES

FORD, C S; *THIRD HRAF CONFERENCE ON CROSS-CULTURAL RESEARCH (S031186)*; 12 MONTHS $9,400

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS (01AWDS)*; $2,949

CENTER FOR APPLIED LINGUISTICS

ROBERTS, A HOOD; *CONFERENCE ON RESEARCH TRENDS IN COMPUTATIONAL LINGUISTICS (S032399)*; 6 MONTHS $17,000

GALLAUDET COLLEGE

STOKOE, WILLIAM C JR; *SEMANTICS AND GRAMMAR IN AMERICAN SIGN LANGUAGE (S031349)*; 24 MONTHS $73,700

MARYLAND

JOHNS HOPKINS UNIVERSITY

GARVEY, CATHERINE; *DISCOURSE ANALYSIS OF TWO-PERSON PROBLEM-SOLVING COMMUNICATION (S031636)*; 18 MONTHS $33,800

MASSACHUSETTS

HARVARD UNIVERSITY

KUNO, SUSUMU; *RESEARCH IN FORMAL LINGUISTICS (S033263 X00)*; 12 MONTHS $18,800

MICHIGAN

UNIVERSITY OF MICHIGAN

LAKOFF, GEORGE; *GENERATIVE SEMANTICS (S002939 001)*; 24 MONTHS $49,100

CLUBB, JEROME M, AND GREW, RAYMOND; *COMPARATIVE DATA ACQUISITION FOR THE INTER-UNIVERSITY CONSORTIUM FOR POLITICAL RESEARCH (S030525)*; 12 MONTHS $37,500

FRIEDMAN, JOYCE; *COMPUTER AIDS TO LINGUISTIC RESEARCH (S031309)*; 24 MONTHS $77,700

HOFFERBERT, RICHARD I, AND JENNINGS, M KENT; *ACQUISITION AND PROCESSING OF SURVEY DATA FOR THE INTER-UNIVERSITY CONSORTIUM FOR POLITICAL RESEARCH (S031659)*; 24 MONTHS $199,900

NEW JERSEY

INSTITUTE FOR ADVANCED STUDY

GEERTZ, CLIFFORD; *ADVANCED STUDY ON THE PROCESSES OF SOCIAL CHANGE (S031730 X00)*; 12 MONTHS $31,000

NEW YORK

CORNELL UNIVERSITY

KELLY, BURNHAM; *CROSS-NATIONAL STUDY OF THE SOCIAL ASPECTS INVOLVED IN INDUSTRIALIZED PRODUCTION APPROACHES TO HOUSING (S030384)*; 24 MONTHS $76,400

GRIMES, JOSEPH E; *COLLABORATIVE RESEARCH IN DEVELOPMENT OF A LINGUISTIC FIELD-DATA ARCHIVE (S031295)*; 24 MONTHS $28,600

NATIONAL BUREAU OF ECONOMIC RESEARCH

MEYER, JOHN, AND KUH, EDWIN; *RESEARCH CENTER FOR THE DEVELOPMENT OF COMPUTER TECHNOLOGY IN ECONOMICS AND MANAGEMENT SCIENCE (J001154 X01)*; $413,500

QUEENS COLLEGE

CAIRNS, CHARLES E; *THEORY OF PHONOLOGICAL AND PHONETIC UNIVERSALS (S030047)*; 12 MONTHS $7,000

OHIO

OHIO STATE UNIVERSITY

LEHISTE, ILSE; *LINGUISTIC UNITS AND BOUNDARIES (S031494)*; 12 MONTHS $24,300

OKLAHOMA

UNIVERSITY OF OKLAHOMA

MORRISON, JACK L, ANDREE, RICHARD V, AND SWEENEY, JAMES W; *COLLABORATIVE RESEARCH IN DEVELOPMENT OF A LINGUISTIC FIELD-DATA ARCHIVE (S001605 001)*; 24 MONTHS $127,100

PENNSYLVANIA

CARNEGIE-MELLON UNIVERSITY

ROSENTHAL, HOWARD L; *EMPIRICAL POLITICAL THEORY (S002945 002)*; $9,000

LEHIGH UNIVERSITY

RUBENSTEIN, HERBERT; *EXPERIMENTAL STUDIES OF LEXICAL MEMORY (S032420 X00)*; 12 MONTHS $26,700

REGIONAL SCIENCE RESEARCH INSTITUTE

STEVENS, BENJAMIN H; *USE, PERCEPTION, AND VALUE OF URBAN OPEN SPACE (S032072)*; 24 MONTHS $80,000

UNIVERSITY OF PENNSYLVANIA

BENSON, LEE; *COLLABORATIVE RESEARCH ON ARCHIVAL STUDIES OF VOTING BEHAVIOR (S002879 001)*; $6,700

HARRIS, ZELLIG S, AND JOSHI, ARAVIND K; *AN ALGORITHM FOR A TRANSFORMATIONAL ANALYSIS OF ENGLISH SENTENCES (S028659 001)*; 12 MONTHS $24,900

TEXAS

UNIV OF TEXAS AT AUSTIN

LEHMANN, W P; *THEORETICAL INVESTIGATION OF DIACHRONIC SYNTAX (S003081 001)*; 12 MONTHS $37,300

PETERS, STANLEY; *THEORETICAL INVESTIGATION OF TRANSFORMATIONAL GRAMMAR (S032144)*; 24 MONTHS $47,700

GEOGRAPHY

CALIFORNIA

UNIVERSITY OF CALIFORNIA, LOS ANGELES

SAUER, JONATHAN D; *DOCTORAL DISSERTATION RESEARCH IN GEOGRAPHY (S030640)*, 12 MONTHS $1,350

COLORADO

UNIVERSITY OF COLORADO

WHITE, GILBERT F; *COLLABORATIVE RESEARCH ON NATURAL HAZARDS (S002882 X01)*; 12 MONTHS $27,000

DISTRICT OF COLUMBIA

ASSOCIATION OF AMERICAN GEOGRAPHERS

NYSTROM, J WARREN; *GEOGRAPHICAL STUDIES OF SELECTED URBAN PROBLEMS (S032397)*; 24 MONTHS $410,500

FLORIDA

UNIVERSITY OF FLORIDA

CRIST, RAYMOND E; *DOCTORAL DISSERTATION RESEARCH IN GEOGRAPHY (S034939)*; 12 MONTHS $750

ILLINOIS

NORTHWESTERN UNIVERSITY

DACEY, MICHAEL F; *METHODS OF EMPIRICAL SPATIAL ANALYSIS (S0029[illegible] 001)*; 24 MONTHS $89,900

UNIVERSITY OF CHICAGO

BERRY, BRIAN J L; *DUALITY IN CHICAGO'S HOUSING MARKET (S028588 X01)*; 12 MONTHS $75,600

IOWA

UNIVERSITY OF IOWA

RUSHTON, GERARD; *DOCTORAL DISSERTATION RESEARCH IN GEOGRAPHY (S034071)*; 12 MONTHS $3,500

KANSAS

UNIVERSITY OF KANSAS

NUNLEY, ROBERT E; *SPATIAL DISTRIBUTION COMPUTER FOR GEOGRAPHICAL ANALYSIS (S029859 X01)*; 12 MONTHS $50,000

MASSACHUSETTS

CLARK UNIVERSITY

KATES, ROBERT W; *COLLABORATIVE RESEARCH ON NATURAL HAZARDS (S003184 001)*; $7,500

MICHIGAN

UNIVERSITY OF MICHIGAN

WARNER, SAM BASS JR; *DOCTORAL DISSERTATION RESEARCH IN HISTORY (S030044)*; 16 MONTHS $3,100

TOBLER, WALDO R; *GEOGRAPHICAL PATTERNS OF INTERACTION (S034070 X00)*; 12 MONTHS $57,500

PENNSYLVANIA

UNIVERSITY OF PENNSYLVANIA

WOLPERT, JULIAN; *CONFLICT OVER LOCATIONAL ISSUES (S002758 001)*; 24 MONTHS $117,900

WOLPERT, JULIAN; *CONFLICT OVER LOCATIONAL ISSUES (S002758 002)*; $2,442

WASHINGTON

UNIVERSITY OF WASHINGTON

MORRILL, RICHARD L; *EXPERIMENTAL DERIVATION OF THEORETICAL SURFACES (S002853 001)*; 21 MONTHS $34,200

THOMAS, MORGAN D; *GROWTH POLES AND REGIONAL DEVELOPMENT (S027731 001)*; 24 MONTHS $100,000

WISCONSIN

UNIVERSITY OF WISCONSIN, PARKSIDE

CAMPBELL, JOHN; *STRUCTURE OF INDUSTRIAL RELATIONSHIPS IN A GROWTH POLE CONTEXT (S030334)*; 24 MONTHS $21,000

POLITICAL SCIENCE

CALIFORNIA

STANFORD UNIVERSITY

MCALISTER, JOHN T JR; *CASE STUDY OF THE PROCESS OF SOCIAL CHANGE (S030348)*; 12 MONTHS $30,700

GEORGE, ALEXANDER L; *STUDY OF DETERRENCE THEORY (S030406)*; 15 MONTHS $40,600

EULAU, HEINZ; *DOCTORAL DISSERTATION RESEARCH IN POLITICAL SCIENCE (S032821)*; 18 MONTHS $3,700

UNIVERSITY OF CALIFORNIA, BERKELEY

WILDAVSKY, AARON; *PROCESS MODELS OF EXPENDITURE PREDICTION (S030380)*; 24 MONTHS $45,600

COLORADO

UNIVERSITY OF DENVER

BAYLEY, DAVID H; *COMPARATIVE ANALYSIS OF NATIONAL POLICE SYSTEMS (S033052)*; 24 MONTHS $13,400

CONNECTICUT

UNIVERSITY OF CONNECTICUT

KOGAN, NORMAN; *DOCTORAL DISSERTATION RESEARCH IN POLITICAL SCIENCE (S030155)*; 12 MONTHS $1,950

WESLEYAN UNIVERSITY

GREENSTEIN, FRED I; *COMPARATIVE STUDY OF POLITICAL ORIENTATIONS (S030718)*; 12 MONTHS $8,300

YALE UNIVERSITY

MAYHEW, DAVID R, *VARIATION IN AGGREGATIVE CAPACITIES AMONG PARTY SYSTEMS (S031849)*; 12 MONTHS $8,300

BERNSTEIN, THOMAS P; *EDUCATION AND MODERNIZATION IN CHINA (S033378)*; 14 MONTHS $9,600

DISTRICT OF COLUMBIA

JOHNS HOPKINS UNIVERSITY-SCHOOL OF ADVANCED INTERNATIONAL STUDIES

CORSON, WALTER H; *MEASUREMENT OF CONFLICT AND COOPERATION (S031994)*; 12 MONTHS $11,200

ILLINOIS

NORTHWESTERN UNIVERSITY

GURR, TED ROBERT; *CAUSES OF CIVIL STRIFE (S030674)*; 24 MONTHS $24,800

GURR, TED R; *CAUSES OF CIVIL STRIFE (S030674 001)*; $400

JACOB, HERBERT; *A COMPARATIVE STUDY OF THE DISPOSITION OF FELONY CASES (S033965 X00*)*; 12 MONTHS $60,400

UNIVERSITY OF CHICAGO

VERBA, SIDNEY; *DOCTORAL DISSERTATION RESEARCH IN POLITICAL SCIENCE (S031357)*; 24 MONTHS $5,000

UNIVERSITY OF ILLINOIS AT URBANA

DAVIS, MORRIS; *INTERNATIONAL RELIEF AS A POLITICAL PROCESS (S031333)*; 24 MONTHS $30,100

IOWA

BOYNTON, G R; *OTHER PROGRAM AWARDS (01AWDS)*; 24 MONTHS $66,100

UNIVERSITY OF IOWA

KIM, CHONG L, AND GREEN, JUSTIN J; *LEGISLATIVE RECRUITMENT IN A ONE-PARTY STATE (S030405)*; 12 MONTHS $15,500

BOYNTON, G R, AND LOEWENBERG, GERHARD; *ANALYSIS OF GERMAN PUBLIC OPINION DATA (S030890)*; 12 MONTHS $46,400

MCCRONE, DONALD J; *DOCTORAL DISSERTATION RESEARCH IN POLITICAL SCIENCE (S034218)*; 12 MONTHS $2,650

MASSACHUSETTS

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

BURNHAM, WALTER DEAN; *A COLLABORATIVE INVESTIGATION OF LONGITUDINAL DIMENSIONS OF AMERICAN ELECTORAL BEHAVIOR (S030536)*; 24 MONTHS $57,300

BERGER, SUZANNE; *DOCTORAL DISSERTATION RESEARCH IN POLITICAL SCIENCE (S032780)*; 16 MONTHS $1,850

HIBBS, DOUGLAS A JR; *COMPARATIVE STUDY OF CONFLICT (S033121)*; 18 MONTHS $49,600

MICHIGAN

MICHIGAN STATE UNIVERSITY

GRIMES, ALAN P; *DOCTORAL DISSERTATION RESEARCH IN POLITICAL SCIENCE (S030832)*; 12 MONTHS $1,050

UNIVERSITY OF MICHIGAN

ELDERSVELD, SAMUEL J; *COMPARATIVE STUDY OF PUBLIC ADMINISTRATORS (S002902 X01)*; 12 MONTHS $92,500

SINGER, J DAVID; *CORRELATES OF INTERNATIONAL WAR (S028476 X01)*; 12 MONTHS $50,800

LANGTON, KENNETH; *DOCTORAL DISSERTATION RESEARCH IN POLITICAL SCIENCE (S030276)*; 12 MONTHS $5,200

JENNINGS, M KENT; *THE DYNAMICS OF POLITICAL ORIENTATIONS (S031850)*; 30 MONTHS $155,400

PARK, RICHARD; *DOCTORAL DISSERTATION RESEARCH IN POLITICAL SCIENCE (S033287)*; 12 MONTHS $1,400

PUTNAM, ROBERT D; *REGIONAL GOVERNMENT IN ITALY (S033810)*; 12 MONTHS $32,900

MILLER, WARREN E; *ELECTORAL BEHAVIOR AND THE MEANING OF POLITICS* (S033956*); 24 MONTHS $100,000

MINNESOTA

UNIVERSITY OF MINNESOTA

BAILEY, FREDRIC N, AND HOLT, ROBERT T; *THE ANALYSIS OF COMPLEX SOCIAL SYSTEMS* (S002955 001); 24 MONTHS $274,300

MISSOURI

WASHINGTON UNIVERSITY

SHEPSLE, KENNETH A; *UNCERTAINTY, SOCIAL CHOICE, AND ELECTORAL COMPETITION* (S033053); 14 MONTHS $21,200

NEW HAMPSHIRE

UNIVERSITY OF NEW HAMPSHIRE, DURHAM

SCHULZ, ANN T; *DIRECTED POLITICAL CHANGE AND POLITICAL ATTITUDES* (S034181); 12 MONTHS $6,000

NEW JERSEY

PRINCETON UNIVERSITY

BLACK, CYRIL E; *DOCTORAL DISSERTATION RESEARCH IN POLITICS* (S031156); 9 MONTHS $1,700

NEW YORK

COLLEGE AT CORTLAND

LEON, DONALD E; *COLLABORATIVE RESEARCH ON PROFESSIONALIZATION* (S003224 001); 12 MONTHS $7,400

COLUMBIA UNIVERSITY

EDINGER, LEWIS J; *ELITE SOCIALIZATION IN THE MODERN DEMOCRATIC STATE* (S028086 X01); 7 MONTHS $10,900

OKSENBERG, MICHEL; *DOCTORAL DISSERTATION RESEARCH IN POLITICAL SCIENCE* (S030094); 12 MONTHS $3,300

ROTHMAN, DAVID J; *HISTORICAL ANALYSIS OF ELECTORAL PROCESSES* (S030277); 24 MONTHS $11,300

STATE UNIVERSITY AT BUFFALO

NARDIN, TERRY; *CONCEPTUAL PROBLEMS IN THE THEORY OF VIOLENCE* (S033122); 12 MONTHS $5,100

NORTH CAROLINA

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

SEARING, DONALD D; *COLLABORATIVE RESEARCH ON COMPARATIVE SOCIALIZATION* (S028090 X01); 8 MONTHS $35,500

OREGON

UNIVERSITY OF OREGON - EUGENE

DAVIES, JAMES C; *DOCTORAL DISSERTATION RESEARCH IN POLITICAL SCIENCE* (S029691 001); 12 MONTHS $1,100

PENNSYLVANIA

CARNEGIE-MELLON UNIVERSITY

ROSENTHAL, HOWARD L; *METHODOLOGICAL DEVELOPMENTS IN EMPIRICAL POLITICAL SCIENCE* (S033754); 24 MONTHS $70,000

TEXAS

UNIV OF TEXAS AT AUSTIN

FROHLICH, NORMAN, OPPENHEIMER, JOE A, AND YOUNG, ORAN R; *EXCHANGE THEORY OF POLITICS* (S033490); 24 MONTHS $40,000

VERMONT

MIDDLEBURY COLLEGE

LENG, RUSSELL J; *CONFLICT BEHAVIOR AND INTERNATIONAL WAR* (S033120); 24 MONTHS $33,5[illegible]

OTHER SOCIAL SCIENCE PROGRAMS

ARIZONA

ARIZONA STATE UNIVERSITY

MORRIS, JOHN P; *REGULATORY IMPLICATIONS OF ORGANIZED RECREATIONAL ACTIVITY* (S034644); 15 MONTHS $43,000

CALIFORNIA

CALIFORNIA STATE UNIVERSITY, SAN DIEGO

FEIERABEND, IVO K, FEIERABEND, ROSALIND L, AND NESVOLD, BETTY A; *SYSTEMIC CONDITIONS OF POLITICAL AGGRESSION* (S002458 002); 8 MONTHS $24,700

STANFORD UNIVERSITY

MISCHEL, WALTER; *SOCIAL LEARNING AND COGNITIVE PROCESSES IN SELFREACTIONS* (S032582); 24 MONTHS $19,900

FRIEDMAN, LAWRENCE M; *COMPARATIVE STUDY OF TRIAL COURTS* (S033821); 15 MONTHS $63,600

UNIVERSITY OF CALIFORNIA, BERKELEY

SHANKS, J MERRILL; *DEVELOPMENT OF MODEL SOCIAL INDICATORS* (S031812); 24 MONTHS $586,100

WOODSON, M I CHARLES E; *DOCTORAL DISSERTATION RESEARCH IN SOCIAL PSYCHOLOGY* (S033068); 4 MONTHS $1,800

EISENBERG, MELVIN A; *NEGOTIATION AS RATIONAL DISPUTE RESOLUTION PROCESS* (S033888); 12 MONTHS $46,100

UNIVERSITY OF CALIFORNIA, IRVINE

ROMNEY, A KIMBALL; *COLLABORATIVE RESEARCH ON UNIFORM MEASURES OF SOCIAL COMPETENCE* (S033049); 24 MONTHS $25,400

UNIVERSITY OF CALIFORNIA, LOS ANGELES

KELLEY, HAROLD H; *INTERPERSONAL RELATIONS WITHIN THE FAMILY* (S033069 X00); 12 MONTHS $49,100

KANOUSE, DAVID E; *ATTITUDINAL AND BEHAVIORAL EFFECTS OF INTERVIEWING* (S033251); 12 MONTHS $17,000

UNIVERSITY OF CALIFORNIA, SAN FRANCISCO

EKMAN, PAUL; *THE FEASIBILITY OF STUDYING THE INTRODUCTION OF TELEVISION IN SOUTH AFRICA* (S032095); 2 MONTHS $3,900

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

MCCLINTOCK, CHARLES G, AND MESSICK, DAVID M; *SOCIAL MOTIVATION AND INTERDEPENDENCE* (S003061 001); 12 MONTHS $14,900

UNIVERSITY OF SOUTHERN CALIFORNIA

JOHNSON, EARL J; *SOCIAL-ECONOMIC IMPACT OF LEGAL PRACTICE AND ALTERNATIVE APPLICATIONS OF LEGAL SKILLS* (S033823); 15 MONTHS $54,800

STONE, CHRISTOPHER D; *RELATIONSHIPS BETWEEN CORPORATE STRUCTURE AND EFFICACY OF LAWS* (S033826); 15 MONTHS $71,500

COLORADO

UNIVERSITY OF DENVER

WALLACE, JAMES E; *RESEARCH WORKSHOP ON THE ROLE OF ETHICS IN THE LEGAL SYSTEM* (S034240); 9 MONTHS $7,600

CONNECTICUT

UNIVERSITY OF CONNECTICUT

FARINA, AMERIGO; *EFFECTS OF DEVIANCE ON INTERACTION* (S031020 X00); 12 MONTHS $24,300

YALE UNIVERSITY

JANIS, IRVING L, AND MILLER, JAMES C; *INFLUENCE OF DYADIC RELATIONSHIPS ON ADHERENCE TO STRESSFUL DECISIONS* (S030514 X00); 12 MONTHS $46,600

DISTRICT OF COLUMBIA

AMERICAN SOCIETY OF INTERNATIONAL LAW

LEIVE, DAVID M; *LAW-RELATED RESEARCH ON THE INTERNATIONAL REGULATION OF SPECIALIZED ACTIVITIES* (S030041); 24 MONTHS $176,100

AMERICAN UNIVERSITY

DIENES, C THOMAS, AND BURKE, D BARLOW; *PROCESSES FOR DISPUTE SETTLEMENT* (S030043); 18 MONTHS $24,400

BUREAU OF SOCIAL SCIENCE RESEARCH INC

FLAX, MICHAEL J, AND GARN, HARVEY A; *KINOSTATISTICS FOR SOCIAL INDICATORS- AN EXPLORATORY STUDY* (S029115 001); 6 MONTHS $34,100

GEORGE WASHINGTON UNIVERSITY

MORSS, E R; *CONFERENCE ON GOVERNMENT-SUPPORTED RESEARCH ON SOCIAL INDICATORS* (S030168); 12 MONTHS $14,400

URBAN INSTITUTE

FLAX, MICHAEL, AND GARN, HARVEY; *SOCIAL AND URBAN INDICATORS* (S029710 X01); 12 MONTHS $159,800

ORCUTT, GUY H; *COLLABORATIVE RESEARCH ON THE DISTRIBUTION OF INCOME AND WEALTH WITH MICROSIMULATION APPLICATIONS* (S034063); 12 MONTHS $117,700

HAWAII

UNIVERSITY OF HAWAII

PITTS, FORREST R; *NATIONWIDE FACTORIAL URBAN ECOLOGY STUDY OF KOREA* (S030812); 24 MONTHS $25,000

ILLINOIS

NORTHWESTERN UNIVERSITY

CAMPBELL, DONALD T; *MEASUREMENT AND EXPERIMENTATION IN SOCIAL SETTINGS* (S030273 X00); 12 MONTHS $69,300

JACOB, HERBERT; *A COMPARATIVE STUDY OF THE DISPOSITION OF FELONY CASES* (S033965 X00*); 12 MONTHS $39,800

UNIVERSITY OF CHICAGO

DUNCAN, STARKEY; *STRUCTURAL STUDY OF FACE-TO-FACE COMMUNICATION* (S003033 001); 24 MONTHS $64,500

KATZ, STANLEY N; *RESEARCH CONFERENCE ON LAW AND ECONOMIC DEVELOPMENT IN U.S.* (S033341); 6 MONTHS $4,300

ZEISEL, HANS; *ANALYSIS OF THE TRADITIONAL VOIR DIRE SYSTEM* (*S033825*); 12 MONTHS $53,800

UNIVERSITY OF ILLINOIS AT URBANA

OSGOOD, CHARLES E; *COMPARATIVE PSYCHOLINGUISTICS* (*S002012 X02*); 12 MONTHS $54,200

DAVIS, JAMES H; *INDIVIDUAL - GROUP PROBLEM SOLVING* (*S002747 001*); 24 MONTHS $56,700

DAVIS, JAMES H; *INDIVIDUAL GROUP PROBLEM SOLVING* (*S002747 002*); $19,660

HUNT, J MCVICKER; *DOCTORAL DISSERTATION RESEARCH IN PSYCHOLOGY* (*S031294*); 12 MONTHS $1,700

HULIN, CHARLES L; *EFFECTS OF ORGANIZATIONAL AND INDIVIDUAL VARIABLES ON ATTITUDE AND BEHAVIOR* (*S032096*); 24 MONTHS $43,700

INDIANA

PURDUE UNIVERSITY

BYRNE, DONN; *A REINFORCEMENT MODEL OF INTERPERSONAL ATTRACTION-EXTENSIONS AND APPLICATIONS* (*S002752 001*); 24 MONTHS $71,500

KANSAS

KANSAS STATE UNIVERSITY

PHARES, E JERRY; *LOCUS OF CONTROL AND RESPONSIBILITY ATTRIBUTION* (*S032265 X00*); 12 MONTHS $21,600

UNIVERSITY OF KANSAS

KIESLER, CHARLES A; *COMMITMENT AND ATTITUDE CHANGE* (*S029722 X01*); 12 MONTHS $43,500

MARYLAND

JOHNS HOPKINS UNIVERSITY

GARVEY, WILLIAM D; *DOCTORAL DISSERTATION RESEARCH IN SOCIAL PSYCHOLOGY* (*S030891*); 12 MONTHS $4,050

AINSWORTH, MARY D; *DOCTORAL DISSERTATION RESEARCH IN SOCIAL PSYCHOLOGY* (*S031019*); 12 MONTHS $7,450

UNIVERSITY OF MARYLAND, COLLEGE PARK

OLSON, MANCUR; *ROLE OF SOCIAL INDICATORS IN THE EVALUATION OF SOCIAL PERFORMANCE- SOME PROBLEMS OF NONMARKET ECONOMICS* (*S031454*); 9 MONTHS $18,300

MASSACHUSETTS

BRANDEIS UNIVERSITY

FREEMAN, HOWARD E; *COLLABORATIVE RESEARCH ON UNIFORM MEASURES OF SOCIAL COMPETENCE* (*S033047*); 24 MONTHS $76,400

SCHNEIDER, DAVID J; *DISPOSITIONAL ASPECTS OF IMPLICIT PERSONALITY THEORY* (*S033242*); 12 MONTHS $20,500

COUNCIL ON LAW-RELATED STUDIES

CAVERS, DAVID F; *SURVEY OF LEGAL RESEARCH METHODS* (*S032475*); 6 MONTHS $1,500

HARVARD UNIVERSITY

ROSENTHAL, ROBERT; *UNINTENTIONAL INFLUENCE IN DYADIC INTERACTION* (*S029641 X01*); 12 MONTHS $50,300

MCCLELLAND, DAVID C; *DOCTORAL DISSERTATION RESEARCH IN PSYCHOLOGY* (*S030381*); 12 MONTHS $1,150

MCCLELLAND, DAVID C; *EMPIRICAL DEFINITION OF THE POWER AND AFFILIATION MOTIVATION SYNDROMES* (*S031914 X00*); 12 MONTHS $41,[illegible]

KAGAN, JEROME; *COLLABORATIVE RESEARCH ON UNIFORM MEASURES OF SOCIAL COMPETENCE* (*S033048*); 24 MONTHS $19,900

UNIVERSITY OF MASSACHUSETTS, AMHERST

BERGER, SEYMOUR M; *SOCIAL LEARNING THROUGH OBSERVATION* (*S002746 002*); 24 MONTHS $57,600

LEVINGER, GEORGE; *DEVELOPMENT AND MAINTENANCE OF PAIR RELATIONSHIPS* (*S033641*); 27 MONTHS $59,500

MICHIGAN

HOPE COLLEGE

MYERS, DAVID G; *DIFFERENTIAL RESPONSES TO GROUP DISCUSSION* (*S002891 001*); 24 MONTHS $30,100

UNIVERSITY OF MICHIGAN

VEROFF, JOSEPH; *DOCTORAL DISSERTATION RESEARCH IN SOCIAL PSYCHOLOGY* (*S031493*); 12 MONTHS $1,400

MCKEACHIE, WILBERT J; *LEADER RESPONSES TO MEMBER HOSTILITY* (*S033054*); 18 MONTHS $70,000

MILLER, WARREN E; *ELECTORAL BEHAVIOR AND THE MEANING OF POLITICS* (*S033956**); 24 MONTHS $100,000

RIEGEL, KLAUS; *DOCTORAL DISSERTATION RESEARCH IN PSYCHOLINGUISTICS* (*S034691*); 19 MONTHS $4,700

WAYNE STATE UNIVERSITY

KAPLAN, KALMAN J, AND FIRESTONE, IRA J; *ATTITUDES, DISTANCE, ETHNICITY AND INTER-NEIGHBORHOOD CONTACT* (*S002852 001*); 24 MONTHS $81,800

LEVENTHAL, GERALD S; *MODES OF RESPONSE TO INEQUITY* (*S003171 001*); 24 MONTHS $77,600

MINNESOTA

UNIVERSITY OF MINNESOTA

LEVY, ROBERT J; *CUSTODY INVESTIGATIONS IN DIVORCE CASES* (*S033889*); 12 MONTHS $54,300

MISSOURI

UNIVERSITY OF MISSOURI, COLUMBIA

GEEN, RUSSELL G; *COGNITIVE PROCESSES IN HUMAN AGGRESSION* (*S002748 001*); 24 MONTHS $46,500

NEW JERSEY

RUTGERS UNIVERSITY

ROSENBERG, SEYMOUR, AND COHEN, BERTRAM D; *VERBAL BEHAVIOR AS INTERPERSONAL COMMUNICATION* (*S002552 X01*); 12 MONTHS $35,400

NEW YORK

CITY COLLEGE

GOULD, LAURENCE; *DOCTORAL DISSERTATION RESEARCH IN PSYCHOLOGY* (*S030092*); 12 MONTHS $1,550

COLUMBIA UNIVERSITY

BARTON, ALLEN H; *ANALYSIS OF MAJOR FACTORS IN TRIAL JURY DECISION-MAKING* (*S033828*); 12 MONTHS $45,600

CORNELL UNIVERSITY

WEICK, KARL E; *GROUP FORMATION AND DEVELOPMENT* (*S033247*); 24 MONTHS $53,700

GRADUATE SCHOOL AND UNIVERSITY CENTER

ALBERT, STUART; *DOCTORAL DISSERTATION RESEARCH IN SOCIAL PSYCHOLOGY* (*S032253*); 7 MONTHS $1,900

NATIONAL BUREAU OF ECONOMIC RESEARCH

JUSTER, F THOMAS; *A PILOT STUDY ON THE MEASUREMENT OF ECONOMIC AND SOCIAL PERFORMANCE* (*S033590 X00*); 12 MONTHS $[illegible],600

QUEENS COLLEGE

SECORD, PAUL F; *THEORY AND PARADIGMS FOR NON-LABORATORY RESEARCH* (*S034239*); 12 MONTHS $9,300

SOCIAL SCIENCE RESEARCH COUNCIL

SHELDON, ELEANOR B; *CENTER FOR THE COORDINATION OF RESEARCH ON SOCIAL INDICATORS* (*S034219*); 12 MONTHS $185,500

STATE UNIVERSITY AT BUFFALO

GALANTER, MARC; *DEPLOYMENT PROCESS IN THE IMPLEMENTATION OF LEGAL POLICY* (*S033824*); 24 MONTHS $75,400

LOCHNER, PHILIP R JR; *THE ROLE OF THE COGNITIVE PROCESS IN DETERMINING THE DEMAND FOR LEGAL SERVICES* (*S033827*); 15 MONTHS $44,300

STATE UNIVERSITY AT STONY BROOK

SINGER, JEROME E; *COLLABORATIVE RESEARCH ON SOCIAL PSYCHOLOGICAL REACTIONS TO STRESS* (*S033216*); 12 MONTHS $34,100

TEACHERS COLLEGE

DEUTSCH, MORTON; *ELEMENTS OF CONFLICT RESOLUTION* (*S002317 X02*); 12 MONTHS $45,000

BEVER, THOMAS G; *DOCTORAL DISSERTATION RESEARCH IN SOCIAL PSYCHOLOGY* (*S032776*); 12 MONTHS $500

UNIVERSITY OF ROCHESTER

IKER, HOWARD P; *THE RECOGNITION AND ANALYSIS OF CONTENT BY COMPUTER* (*S032241**); 24 MONTHS $71,700

NORTH CAROLINA

DUKE UNIVERSITY

JONES, EDWARD E; *PERSON PERCEPTION AND SELF-PRESENTATION* (*S028432 X01*); 12 MONTHS $35,700

BACK, KURT W; *SOCIAL INDICATORS FOR SELF REALIZATION* (*S032436*); 12 MONTHS $47,500

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

WALKER, W L, AND THIBAUT, JOHN W; *HUMAN BEHAVIOR AND THE LEGAL PROCESS* (*S028590 X01*); 12 MONTHS $39,000

RHEINGOLD, HARRIET L; *DOCTORAL DISSERTATION RESEARCH IN PSYCHOLOGY* (*S030090*); 12 MONTHS $700

OHIO

FELS RESEARCH INSTITUTE

PARKE, ROSS D; *DETERMINANTS OF SELF-CONTROL AND AGGRESSION IN CHILDREN* (*S031885 X00*); 12 MONTHS $49,300

OHIO STATE UNIVERSITY

HAKEL, MILTON D; *INTERPERSONAL PERCEPTION AND BEHAVIOR PREDICTION* (*S002355 001*); 24 MONTHS $74,800

QUIGLEY, JOHN B JR; *IMPACT OF GOVERNMENT PROGRAMS ON FAMILY LIFE- THE SOVIET EXPERIMENT* (S033822); 24 MONTHS $51,000

UNIVERSITY OF CINCINNATI

LUNDGREN, DAVID C; *DEVELOPMENT STAGES IN HUMAN RELATIONS TRAINING GROUPS* (S032779); 24 MONTHS $43,800

OREGON

OREGON RESEARCH INSTITUTE

SLOVIC, PAUL; *DEVELOPING MODELS OF DECISION MAKING AND JUDGEMENT* (S032505); 24 MONTHS $124,000

PENNSYLVANIA

PENNSYLVANIA STATE UNIVERSITY

SMITH, JAMES D; *COLLABORATIVE RESEARCH ON THE DISTRIBUTION OF INCOME AND WEALTH WITH MICROSIMULATION APPLICATIONS* (S034064); 6 MONTHS $30,800

SWARTHMORE COLLEGE

GERGEN, KENNETH J; *THE EFFECTS OF AID ON RECIPIENT ATTITUDES* (S031085 X00); 12 MONTHS $45,400

UNIVERSITY CITY SCIENCE CENTER

LANDIS, DANIEL; *CROSS-CULTURAL SKILLS AND INTERPERSONAL EFFECTIVENESS IN AN URBAN ENVIRONMENT* (S030952 X00); 12 MONTHS $54,800

UNIVERSITY OF PENNSYLVANIA

TEGE , ALLAN I; *EXPERIMENTAL STUDIES ON THE ESCALATION OF CONFLICT* (S030994); 24 MONTHS $43,400

TENNESSEE

VANDERBILT UNIVERSITY

THOMPSON, JAMES D, AND BATES, FREDERICK L; *LIFE CYCLE AND THE ENVIRONMENTAL CONTEXT* (S033475); 24 MONTHS $75,800

TEXAS

UNIV OF TEXAS AT AUSTIN

ARONSON, ELLIOT; *ANTECEDENTS OF INTERPERSONAL ATTRACTION* (S028847 001); $1,200

WICKLUND, ROBERT A; *IMPLICATIONS OF A THEORY OF SELF AWARENESS* (S031890); 24 MONTHS $50,600

LINEBERRY, ROBERT L; *SOCIOSPATIAL DISTRIBUTION OF URBAN PUBLIC POLICIES* (S031980); 12 MONTHS $16,200

GLASS, DAVID C; *COLLABORATIVE RESEARCH ON SOCIAL PSYCHOLOGICAL REACTIONS TO STRESS* (S034329); 12 MONTHS $38,800

VERMONT

UNIVERSITY OF VERMONT

LEFF, HERBERT L, AND GORDON, LAWRENCE R; *CREATIVE PERCEPTION AND ENVIRONMENTAL AWARENESS* (S033487); 12 MONTHS $10,800

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

HAGE, JERALD, AND GARGAN, EDWARD; *COMPARATIVE STUDY OF SOCIETAL STABILITY* (S030624 X00); 12 MONTHS $30,700

WALSTER, ELAINE; *STUDIES TESTING A THEORY OF POSITIVE AFFECT* (S030822 X00); 12 MONTHS $66,000

LEVENTHAL, HOWARD; *THE CONTROL OF EMOTIONAL AND INSTRUMENTAL ACTS THROUGH INFORMATION AND SELF OBSERVATION* (S031450 X00); 12 MONTHS $52,200

ALFORD, ROBERT R; *THEORETICAL INVESTIGATION OF THE REQUIREMENTS FOR INDICATORS OF STRUCTURE AND CHANGE IN THE POLITICAL ECONOMY OF WESTERN SOCIETIES* (S031495); 12 MONTHS $15,200

PILIAVIN, JANE A, AND PILIAVIN, IRVING M; *BYSTANDER BEHAVIOR IN EMERGENCIES* (S032335); 24 MONTHS $90,500

ENGINEERING

ENGINEERING CHEMISTRY

ALABAMA

AUBURN UNIVERSITY

ASKEW, WILLIAM C; *HYDROGEN FLAME IONIZATION DETECTION OF INERTS* (K034543); 12 MONTHS $18,100

ARIZONA

ARIZONA STATE UNIVERSITY

KUESTER, JAMES L; *RESEARCH INITIATION - MOLECULAR WEIGHT DISTRIBUTION CONTROL IN A CONTINUOUS STIRRED TANK POLYMERIZATION REACTOR* (K032680); 18 MONTHS $16,000

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

PINGS, C J; *EFFECT OF ATOMIC INTERACTIONS ON THE STRUCTURE AND PHYSICAL PROPERTIES OF FLUIDS* (K034045); 12 MONTHS $75,000

STANFORD UNIVERSITY

BOUDART, MICHEL; *HETEROGENEOUS CATALYSIS BY TRANSITION METALS* (K017451 X01); 12 MONTHS $92,800

WILDE, DOUGLASS J; *SINGULARITY IN OPTIMIZATION* (K034489); 12 MONTHS $19,100

MADIX, ROBERT J; *HIGH TEMPERATURE REACTIONS OF SOLIDS* (K034673); 12 MONTHS $40,400

UNIVERSITY OF CALIFORNIA, BERKELEY

OPPENHEIM, A K; *STUDY OF EXOTHERMIC PROCESSES BY THE USE OF BLAST WAVES* (K022975 001); 12 MONTHS $52,000

VERMEULEN, THEODORE; *PROCESS ANALYSIS OF COMPLEX ION-EXCHANGE AND ADSORPTION OPERATIONS* (K031471); 24 MONTHS $81,400

FOSS, ALAN S; *CONTROL OF FIXED-BED CHEMICAL REACTORS* (K034096 X00); 12 MONTHS $39,800

PETERSEN, EUGENE E; *A STUDY OF NON-UNIFORM POISONING OF HETEROGENEOUS CATALYSTS USING A SINGLE-PELLET REACTOR* (K034228); 12 MONTHS $33,400

UNIVERSITY OF CALIFORNIA, DAVIS

BELL, RICHARD L; *LIQUID MIXING AND EFFICIENCY ON NON-IDEAL DISTILLATION TRAYS* (K030370); 24 MONTHS $83,800

SMITH, J M; *PHOTOCHEMICAL REACTION ENGINEERING, POLYMERIZATION AND HERBICIDE DECOMPOSITION* (K034536); 12 MONTHS $18,600

UNIVERSITY OF CALIFORNIA, IRVINE

LENHOFF, HOWARD M; *COUPLED ENZYME SYSTEMS ON INSOLUBLE MEMBRANES* (K030297); 12 MONTHS $14,200

COLORADO

COLORADO SCHOOL OF MINES

KIDNAY, ARTHUR J; *SOLID-GAS PHASE EQUILIBRIA STUDIES* (K024745); 24 MONTHS $33,600

CONNECTICUT

UNIVERSITY OF CONNECTICUT

DABORA, ELI K; *BASIC STUDIES OF NITROGEN OXIDE EMISSION RELEVANT TO GAS TURBINE COMBUSTORS* (K031468); 24 MONTHS $49,500

DELAWARE

UNIVERSITY OF DELAWARE

KATZER, JAMES R, AND MANOGUE, WILLIAM H; *EFFECT OF CRYSTALLITE SIZE ON CATALYST SELECTIVITY* (K034612 X00); 12 MONTHS $20,700

FLORIDA

UNIVERSITY OF FLORIDA

WESTERBERG, ARTHUR W; *COMPUTER-AIDED DESIGN AND OPTIMIZATION OF CHEMICAL ENGINEERING SYSTEMS* (K018633 001); 18 MONTHS $59,500

UNIVERSITY OF FLORIDA-ENGINEERING & INDUSTRIAL EXPERIMENT STATION

GORDON, RONALD J; *STUDIES ON THE EXPLANATION AND CORRELATION OF TURBULENT DRAG REDUCTION* (K031590); 12 MONTHS $20,100

GEORGIA

GEORGIA INSTITUTE OF TECHNOLOGY

GRENGA, HELEN E; *CHEMISORPTION AND CATALYSIS- CARBON MONOXIDE ON METALS AND ALLOYS* (K026487); 24 MONTHS $39,000

IDAHO

UNIVERSITY OF IDAHO

JACKSON, MELBOURNE L; *DESORPTION OF SUPERSATURATED GASES FROM WATER* (K033975); 18 MONTHS $16,100

EDWARDS, LOUIS L JR, AND BLAIR, LESLIE M; *A FUNDAMENTAL STUDY OF COALESCENCE MIXING IN TWO PHASE SYSTEMS* (K034413); 12 MONTHS $20,900

ILLINOIS

INTERNATIONAL CONGRESS ON CATALYSIS

HAENSEL, VLADIMIR; *V INTERNATIONAL CONGRESS ON CATALYSIS* (K034305); 12 MONTHS $5,000

NORTHWESTERN UNIVERSITY

CARR, STEPHEN H; *RESEARCH INITIATION - MICROBIAL DEGRADATION OF AMYLOSE-BASED FILMS* (K032733); 18 MONTHS $16,000

GRAESSLEY, WILLIAM W; *RHEOLOGY OF POLYMER SYSTEMS* (*K034362 X00*); 12 MONTHS $36,600

SLATTERY, JOHN C; *DEFORMING PHASE INTERFACES* (*K034538 X00*); 12 MONTHS $31,600

UNIVERSITY OF ILLINOIS AT URBANA

SCHMITZ, ROGER A; *MULTIPLE STATES AND INSTABILITIES IN CHEMICALLY REACTING SYSTEMS* (*K002573 001*); 24 MONTHS $64,000

HANRATTY, THOMAS J; *WALL TURBULENCE* (*K002813 X03*); 12 MONTHS $44,900

ECKERT, CHARLES A; *MOLECULAR THERMODYNAMICS OF KINETIC SOLVENT EFFECTS* (*K014201 001*); 6 MONTHS $5,000

HANRATTY, T J; *TWO-PHASE FLOW* (*K031793 X00*); 12 MONTHS $28,200

KOZINSKI, ALLEN A; *RESEARCH INITIATION - CONTROLLED SEPARATION WITH ARTIFICIAL DYNAMIC MEMBRANES* (*K032685*); 18 MONTHS $16,000

INDIANA

PURDUE UNIVERSITY

WANKAT, PHILIP C; *RESEARCH INITIATION - LIQUID-LIQUID EXTRACTION PARAMETRIC PUMPING* (*K032681*); 18 MONTHS $16,000

LEIDENFROST, WOLFGANG; *MEASUREMENT AND ANALYSIS OF FLUID PROPERTIES* (*K034078*); 12 MONTHS $49,400

KANSAS

KANSAS STATE UNIVERSITY

ERICKSON, L E; *TOWER SYSTEMS FOR MICROBIAL GROWTH* (*K034693*); 12 MONTHS $18,800

KENTUCKY

UNIVERSITY OF LOUISVILLE

PAVONI, JOSEPH L; *RESEARCH INITIATION - ALGAL EXTRACTION UTILIZING BIOLOGICAL AND CHEMICAL FLOCCULATIVE TECHNIQUES* (*K032732*); 18 MONTHS $16,000

LOUISIANA

TULANE UNIVERSITY

WEAVER, ROBERT E C, AND LAW, VICTOR J; *THIRD GENERATION CONTROL OF A REACTOR-SEPARATOR COMPLEX* (*K034048 X00*); 12 MONTHS $58,400

MAINE

UNIVERSITY OF MAINE, ORONO

ZIEMINSKI, STEFAN A; *RATE OF MASS TRANSFER OF GAS TO AQUEOUS ELECTROLYTE SOLUTIONS* (*K030858*); 24 MONTHS $72,300

MARYLAND

UNIVERSITY OF MARYLAND, COLLEGE PARK

SILVERMAN, J, AND SMITH, T G; *RADIATION -INDUCED CHAIN REACTIONS IN HETEROGENEOUS SYSTEMS* (*K034366*); 12 MONTHS $39,300

MASSACHUSETTS

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

BRIAN, P L T, AND VIVIAN, J E; *GAS ABSORPTION WITH SIMULTANEOUS CHEMICAL REACTION* (*K011959 001*); 6 MONTHS $12,500

SATTERFIELD, CHARLES N; *RESTRICTED DIFFUSION IN MOLECULAR SIEVES AND IN OTHER FINE PORE MATERIALS* (*K031585 X00*); 12 MONTHS $46,100

BADDOUR, RAYMOND F, AND LAGOW, RICHARD J; *SYNTHESIS OF NEW FLUOROCARBON MATERIALS IN A RADIO FREQUENCY GLOW DISCHARGE* (*K031864 X00*); 12 MONTHS $72,600

REID, ROBERT C; *EXPERIMENTAL MEASUREMENTS OF THE HEAT CAPACITIES OF LIQUIDS AT HIGH TEMPERATURES* (*K032907 X00*); 12 MONTHS $21,400

YIP, SIDNEY; *FREQUENCY AND WAVELENGTH DEPENDENT FLUCTUATIONS IN LIQUIDS AND GASES* (*K032908*); 24 MONTHS $67,900

APPLETON, JOHN P; *DISPERSED CARBON (SOOT) FORMATION AND OXIDATION AT COMBUSTION TEMPERATURES* (*K033933*); 12 MONTHS $47,400

STICKNEY, ROBERT E; *HIGH-TEMPERATURE THERMOCHEMICAL PROPERTIES OF GAS-SOLID SYSTEMS* (*K034080*); 12 MONTHS $35,000

TUFTS UNIVERSITY

KROESSER, F WILLIAM; *IONIC SOLUTE EFFECTS IN PERVAPORATIVE MEMBRANE SEPARATIONS* (*K031273*); 12 MONTHS $26,800

UNIVERSITY OF MASSACHUSETTS, AMHERST

PORTER, ROGER S, *VISCOSITIES AND MORPHOLOGIES DEVELOPED BY SHEAR IN PARTIALLY CRYSTALLINE POLYMERS* (*K022837 001*); $5,000

DOUGLAS, J M; *PERIODIC OPERATION OF CHEMICAL PROCESSES* (*K032526 X00*); 12 MONTHS $26,100

WORCESTER POLYTECHNIC INSTITUTE

ZWIEBEL, IMRE; *COMPOSITION DEPENDENT ADSORPTION HYSTERESIS* (*K011305 001*); 24 MONTHS $64,800

KRISHNASWAMIENGAR, K, AND CRUSBERG, THEODORE C; *POTENTIALLY HAZARDOUS ORGANIC COMPOUNDS FROM WASTEWATER CHLORINATION* (*K030339*); 12 MONTHS $44,200

MA, YI H; *RATE OF SORPTION OF INTERACTING MULTICOMPONENT SYSTEMS IN MOLECULAR SIEVES* (*K033351*); 24 MONTHS $37,500

TUFTS UNIVERSITY-JACKSON COLLEGE FOR WOMEN

LENZ, ROBERT W; *REACTION-INDUCED CRYSTALLIZATION OF POLYMERS* (*K016622 001*); 6 MONTHS $4,800

MICHIGAN

UNIVERSITY OF MICHIGAN

POWERS, JOHN E; *ACCURATE CALORIMETRIC DATA AT ELEVATED PRESSURES* (*K024719 001*); 12 MONTHS $67,900

KADLEC, ROBERT H; *CONTROLLED CYCLIC OPERATION OF A FLASH VAPORIZER* (*K034135 X00*); 12 MONTHS $28,300

WEBER, WALTER J JR; *PREDICTIVE METHODS FOR ADSORPTION FROM WATERS AND WASTEWATERS* (*K035060*); 12 MONTHS $41,400

MINNESOTA

UNIVERSITY OF MINNESOTA

DAHLER, JOHN S; *TRANSPORT PROPERTIES OF POLYATOMIC AND CHEMICALLY REACTIVE FLUIDS* (*K031473*); 12 MONTHS $57,500

THOMPSON, DAVID R; *RESEARCH INITIATION - AMINO ACID DEGRADATION DURING EXTRUSION* (*K032678*); 18 MONTHS $15,600

WILLEKE, KLAUS; *RESEARCH INITIATION - SMOKE STACK SIMULATION BY MEANS OF A FLUIDIZED BED* (*K032684*); 18 MONTHS $13,000

RANZ, WILLIAM E; *BASIC STUDIES OF GAS-PARTICULATE SYSTEMS* (*K034414*); 12 MONTHS $36,400

UNIVERSITY OF MINNESOTA-INSTITUTE OF TECHNOLOGY

AMUNDSON, NEAL R; *ANALYSIS OF COUPLED SYSTEMS II* (*K020407 X01*); 14 MONTHS $36,700

MISSOURI

UNIVERSITY OF MISSOURI, COLUMBIA

LEE, VIN-JANG; *HETEROGENEOUS CATALYSIS- EFFECTS OF ELECTRODYNAMIC FIELDS ON ACTIVITY AND SELECTIVITY* (*K034766*); 12 MONTHS $29,900

UNIVERSITY OF MISSOURI, ROLLA

ARMALY, BASSEM FARID; *RESEARCH INITIATION - TRANSMISSION CHARACTERISTICS OF AN OIL FILM ON A WATER SUBSTRATE* (*K032679*); 18 MONTHS $16,000

NEW JERSEY

PRINCETON UNIVERSITY

MARK, PETER, BOTTOMS, WILMER R, AND OLLIS, D F; *ELECTRONIC PROCESSES IN HETEROGENEOUS CATALYSIS* (*K011101 001*); 12 MONTHS $36,100

SCHOWALTER, W R; *FLOW OF NON-NEWTONIAN FLUIDS NEAR INTERFACES* (*K034427*); 24 MONTHS $40,300

STEVENS INSTITUTE OF TECHNOLOGY

GOGOS, COSTAS G, AND BIESENBERGER, JOSEPH A; *ENGINEERING ASPECTS OF POLYMER MANUFACTURE AND PROCESSING* (*K034079*); 12 MONTHS $49,500

NEW YORK

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

VAN ANTWERPEN F J; *CONFERENCE ON RESEARCH NEEDS OF CHEMICAL REACTION ENGINEERING* (*K034432*); 6 MONTHS $400

CITY COLLEGE

SHINNAR, REUEL, AND KATZ, STANLEY; *OPTIMAL CONTROL OF CHEMICAL PROCESSES WITH NON STATIONARY RANDOM INPUTS* (*K034364 X00*); 12 MONTHS $30,700

CLARKSON COLLEGE OF TECHNOLOGY

COONEY, DAVID O; *DYNAMICS OF SORPTION IN FIXED BEDS* (*K025285*); 24 MONTHS $35,900

NUNGE, RICHARD J, AND ERIAN, FADEL F; *AN INVESTIGATION OF PULSATING TURBULENT FLOW* (*K034539*); 12 MONTHS $21,000

KATZ, JOSEPH L; *VAPOR NUCLEATION STUDIES IN THE THERMAL DIFFUSION CLOUD CHAMBER* (*K034914*); 24 MONTHS $69,400

COLUMBIA UNIVERSITY

SOMASUNDARAN, PONISSERIL; *ELECTROCHEMICAL STUDY OF SEMI-SOLUBLE MINERALS* (*K032541*); 24 MONTHS $31,700

CORNELL UNIVERSITY

ANDERSON, JOHN L; *RESEARCH INITIATION - PARTICLE-WALL INTERACTIONS IN TRANSPORT THROUGH POROUS MEMBRANES* (*K032682*); 18 MONTHS $16,000

NEW YORK UNIVERSITY

TREYBAL, ROBERT E; *MASS TRANSFER IN CONTINUOUSLY OPERATED AGITATED VESSELS* (*K032137 X00*); 12 MONTHS $17,000

POLYTECHNIC INSTITUTE OF BROOKLYN

HAN, CHANG D; *NONVISCOMETRIC FLOW OF VISCOELASTIC FLUIDS (K023623)*; 24 MONTHS $36,800

LEDERMAN, SAMUEL, AND SFORZA, P M; *CONCENTRATION MEASUREMENTS IN JETS (K034694)*; 12 MONTHS $20,000

RENSSELAER POLYTECHNIC INSTITUTE

ALTWICKER, ELMAR R; *INHIBITION OF AIR OXIDATION OF SULFUR DIOXIDE DURING ALKALINE SCRUBBING (K020383)*; 12 MONTHS $15,700

STATE UNIVERSITY AT BUFFALO

CULLINAN, HARRY T JR; *DIRECT MEASUREMENT OF THERMODYNAMIC PROPERTIES IMPORTANT IN THE STUDY OF LIQUID DIFFUSION (K034762 X00)*; 12 MONTHS $25,100

SYRACUSE UNIVERSITY

STERN, S ALEXANDER; *PERMEATION OF GASES AND VAPORS THROUGH POLYMERIC MEMBRANES (K030312)*; 24 MONTHS $54,400

TIEN, CHI, AND TURIAN, RAFFI M; *KINETICS OF DEEP BED FILTRATION (K033976)*; 12 MONTHS $52,600

NORTH CAROLINA

NORTH CAROLINA STATE UNIVERSITY AT RALEIGH

WORK, ROBERT W; *THE ALPHA-BETA TRANSFORMATION OF SPIDER SILK POLYPEPTIDES AS RELATED TO THE FORMATION AND PROPERTIES OF FIBERS SO PRODUCED (K033935)*; 12 MONTHS $52,100

OHIO

CASE WESTERN RESERVE UNIVERSITY

ANGUS, JOHN C; *PERTURBATION OF ORGANIC REACTION PATHS BY SELECTIVE ABSORPTION OF LASER RADIATION (K018407 001)*; 6 MONTHS $26,100

LANDO, JEROME B; *TWO-DIMENSIONAL POLYMER FILMS MADE BY POLYMERIZATION IN A MONOLAYER OR MULTILAYER (K030650)*; 24 MONTHS $73,700

OKLAHOMA

OKLAHOMA STATE UNIVERSITY

ROBINSON, R L; *THE INTERMOLECULAR POTENTIAL FUNCTION AND PROPERTIES OF PURE SUBSTANCES AND MIXTURES (K033930)*; 12 MONTHS $32,000

UNIVERSITY OF TULSA

SYLVESTER, NICHOLAS D; *RESEARCH INITIATION-MASS TRANSFER AND LIQUID DISTRIBUTION IN THREE PHASE REACTORS (K034764)*; 18 MONTHS $16,000

PENNSYLVANIA

BUCKNELL UNIVERSITY

GRESKOVICH, EUGENE J; *REJUVENATION OF POLLUTED STREAM BEDS (K032871)*; 18 MONTHS $26,700

CARNEGIE-MELLON UNIVERSITY

CUSSLER, EDWARD L; *PUMPING EFFECTS IN MEMBRANES (K032313)*; 24 MONTHS $51,900

BRENNER, HOWARD; *TRANSPORT PROCESSES IN MULTIPARTICLE LAMINAR FLOW SYSTEMS. PART II (K034855)*; 24 MONTHS $108,600

COMBUSTION INSTITUTE

WILLIAMS, GLENN C; *FOURTEENTH SYMPOSIUM (INTERNATIONAL) ON COMBUSTION (K034613*)*; 12 MONTHS $5,000

LEHIGH UNIVERSITY

LUYBEN, WILLIAM L; *DYNAMICS AND CONTROL OF DISTILLATION COLUMNS WITH SIDESTREAM DRAWOFFS (K034090 X00)*; 12 MONTHS $35,000

PENNSYLVANIA STATE UNIVERSITY

KLAUS, E ERWIN, AND DUDA, JOHN L; *FLOW RATE MEASUREMENT IN ELASTROHYDRODYNAMIC LUBRICATION (K035059)*; 12 MONTHS $19,200

UNIVERSITY OF PENNSYLVANIA

PERLMUTTER, DANIEL D; *STABILITY OF TUBULAR RECYCLE REACTORS WITH SIGNIFICANT AXIAL OR TRANSVERSE TRANSPORT AFFECTS (K010863 001)*; 6 MONTHS $6,000

MYERS, ALAN L; *ADSORPTION AT THE LIQUID-SOLID INTERFACE (K016758 001)*; 3 MONTHS $7,700

QUINN, J A; *STUDIES ON DIFFUSION, FLOW, AND TRANSPORT THROUGH MODEL MEMBRANES (K032247)*; 24 MONTHS $86,500

CARNEGIE-MELLON UNIVERSITY-CARNEGIE INSTITUTE OF TECHNOLOGY

DENT, ANTHONY L; *RESEARCH INITIATION - INFRARED STUDIES IN A FLUIDIZED BED (K032685)*; 18 MONTHS $16,000

RHODE ISLAND

BROWN UNIVERSITY

KESTIN, JOSEPH; *TRANSPORT PROPERTIES OF GASES (K002133 X03)*; 12 MONTHS $63,600

MASON, EDWARD A; *TRANSPORT THEORY FOR AEROSOLS AND FOR MEMBRANES (K030621)*; 12 MONTHS $19,800

UNIVERSITY OF RHODE ISLAND

KNICKLE, HAROLD N; *MULTISOLVENT EXTRACTION OF FISH PROTEIN (K034544)*; 24 MONTHS $36,450

SOUTH CAROLINA

CLEMSON UNIVERSITY

BARLAGE, WILLIAM B; *THE EFFECT OF IONIC CONDITIONS ON GAS ABSORPTION IN VARIOUS SOLUTIONS OF SURFACE-ACTIVE AGENTS (K034554 X00)*; 12 MONTHS $16,700

TENNESSEE

UNIVERSITY OF TENNESSEE, KNOXVILLE

JURY, STANLEY H; *THERMAL AND ORDINARY DIFFUSIVITY OF CERTAIN ADSORBENT SOLIDS (K031078)*; 24 MONTHS $61,700

TEXAS

RICE UNIVERSITY

KOBAYASHI, RIKI; *EXPERIMENTAL AND THEORETICAL STUDIES OF THERMODYNAMIC AND TRANSPORT PROPERTIES (K034426 X00)*; 12 MONTHS $82,100

UNIV OF TEXAS AT AUSTIN

HIMMELBLAU, DAVID M; *STOCHASTIC EFFECTS IN THE PROCESS MODELING OF BIOLOGICAL WASTE TREATMENT (K034428)*; 24 MONTHS $31,500

UNIVERSITY OF HOUSTON

DUKLER, ABRAHAM E; *MASS TRANSFER OF THE DISPERSED PHASE IN TWO-PHASE FLOW (K031354 X00)*; 12 MONTHS $40,100

HENLEY, ERNEST J; *CONFERENCE ON RESEARCH NEEDS AND PRIORITIES IN PROCESS DESIGN AND SIMULATION (K032432)*; 6 MONTHS $2,600

HENLEY, ERNEST J; *ANALYSIS AND DESIGN OF PROCESS RELIABILITY (K034542)*; 12 MONTHS $19,000

FLUMERFELT, R W; *EXTENSIONAL FLOW PHENOMENA IN POLYMER SOLUTIONS AND MELTS (K034916)*; 24 MONTHS $54,500

VIRGINIA

UNIVERSITY OF VIRGINIA

GAINER, JOHN L; *DIFFUSION IN MIXED POLYMER SOLUTIONS (K034537)*; 12 MONTHS $31,600

KIRWAN, DONALD J; *NON-EQUILIBRIUM IMPURITY DISTRIBUTION DURING CRYSTALLIZATION FROM THE MELT (K034754)*; 12 MONTHS $18,900

VIRGINIA POLYTECHNIC INSTITUTE

MCGEE, HENRY A JR; *INORGANIC POLYMERS FROM AMINOBORANE (K034541)*; 12 MONTHS $20,700

WASHINGTON

UNIVERSITY OF WASHINGTON

MOULTON, RALPH W; *CRITICAL FLOW FOR STEAM-WATER MIXTURES (K003846 002)*; 24 MONTHS $44,200

FINLAYSON, BRUCE A; *FUNDAMENTAL RESEARCH IN FLUID MECHANICS (K012517 001)*; 24 MONTHS $63,800

BECK, THEODORE R; *MEASUREMENT AND INTERPRETATION OF SURFACE STRESS OF SOLID METAL ELECTRODES (K033934)*; 12 MONTHS $23,400

HEIDEGER, WILLIAM J; *DISPERSED PHASE MASS TRANSFER (K034425 X00)*; 12 MONTHS $30,700

WEST VIRGINIA

ARCADIA INSTITUTE FOR SCIENTIFIC RESEARCH INC

DOOLITTLE, ARTHUR K; *VOLUME-ENTROPY-ENERGY EQUATION OF STATE FOR LIQUIDS (K034540)*; 12 MONTHS $15,000

WISCONSIN

MARQUETTE UNIVERSITY

CARTER, JOHN L; *RESEARCH INITIATION - CHEMICAL-BIOLOGICAL TREATMENT PLANT FOR OPTIMUM PHOSPHORUS AND BOD REMOVAL (K032675)*; 18 MONTHS $16,000

UNIVERSITY OF WISCONSIN, MADISON

BIRD, R BYRON; *MACROMOLECULAR HYDRODYNAMICS (K024749)*; 24 MONTHS $118,200

LIGHTFOOT, E N; *BIOLOGICALLY ORIENTED MASS TRANSFER STUDIES (K033346 X00)*; 12 MONTHS $27,700

ENGINEERING ENERGETICS

ALABAMA

TUSKEGEE INSTITUTE

DILLON, IRA G; *DENSITIES OF ALKALI METALS BY A GAMMA RADIATION ATTENUATION TECHNIQUE (K032868)*; 12 MONTHS $48,700

ARIZONA

ARIZONA STATE UNIVERSITY

EVANS, DONOVAN L; *ARC HEATED PLASMA (K002593 001)*; $320

UNIVERSITY OF ARIZONA

FARR, W MORRIS; *MICROINSTABILITIES IN INHOMOGENEOUS PLASMA (K023450)*; 18 MONTHS $20,000

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

SABERSKY, R H; *HEAT TRANSFER TO GRANULAR MEDIA (K030524)*; 12 MONTHS $16,700

STANFORD UNIVERSITY

KINO, GORDON S; *STUDIES OF ACOUSTIC WAVE PHENOMENA (K024685)*; 24 MONTHS $83,900

PANTELL, RICHARD H, AND PUTHOFF, HAROLD E; *A METHOD FOR OBTAINING HIGH-POWER BROADLY-TUNABLE LASER ACTION IN THE ULTRAVIOLET PART OF THE SPECTRUM (K031907)*; 24 MONTHS $68,900

SIEGMAN, A E; *ULTRA-SHORT LIGHT PULSE GENERATION AND OPTICAL PARAMETRIC OSCILLATOR MODE-LOCKING (K032371 X00)*; 12 MONTHS $58,800

BUNEMAN, OSCAR; *STABLE ONE-DIMENSIONALLY CONFINED PLASMA CONFIGURATIONS (K032545)*; 12 MONTHS $33,400

CRAWFORD, F W; *NONLINEAR WAVE INTERACTION EFFECTS IN PLASMAS (K032788 X00)*; 12 MONTHS $56,900

STD RESEARCH CORPORATION

DEMETRIADES, S T, AND ABGYROPOULOS, G S; *NUMERICAL SOLUTIONS OF THE COUPLED THREE-DIMENSIONAL MAGNETOHYDRODYNAMIC CHANNEL PROBLEM (C727000)*; 12 MONTHS $74,903

UNIVERSITY OF CALIFORNIA, BERKELEY

TIEN, CHANG L; *HEAT TRANSFER THROUGH CRYOGENIC MULTILAYER INSULATIONS (K030557)*; 24 MONTHS $47,500

UNIVERSITY OF CALIFORNIA, IRVINE

GAMO, HIDEYA; *STATISTICAL ANALYSIS OF LASER RADIATION BY INTENSITY CORRELATION EXPERIMENTS (K031856)*; 24 MONTHS $63,700

UNIVERSITY OF CALIFORNIA, LOS ANGELES

WAZZAN, A R; *SPATIAL STABILITY AND TRANSITION OF INCOMPRESSIBLE LAMINAR BOUNDARY LAYERS WITH HEAT TRANSFER (K023090)*; 12 MONTHS $21,700

KNUTH, ELDON L; *RESEARCH IN MOLECULE-SURFACE COLLISIONS WITH TRANSLATIONAL ENERGIES UP TO TWENTY ELECTRON VOLTS (K030506)*; 24 MONTHS $68,900

CASPERSON, LEE W; *RESEARCH INITIATION - FREQUENCY STABILITY AND OUTPUT POWER OF HIGH GAIN LASERS (K032627)*; 18 MONTHS $16,000

JASSBY, DANIEL L; *RESEARCH INITIATION - ABSORPTION OF LASER ENERGY IN DENSE PLASMAS (K032628)*; 18 MONTHS $16,000

UNIVERSITY OF CALIFORNIA, SAN DIEGO

MILLER, DAVID R; *APPLICATION OF FREE-JET SOURCES TO REACTIVE CROSSED MOLECULAR BEAM EXPERIMENTS (K033996)*; 12 MONTHS $25,000

COLORADO

COLORADO SCHOOL OF MINES

DICKSON, PHILIP F; *COLD WEATHER PAVING (K033940)*; 24 MONTHS $48,100

STERMOLE, F J, AND GOLDEN, JOHN O; *PHASE CHANGE THERMAL CONTROL TECHNOLOGY (K034381)*; 12 MONTHS $19,600

COLORADO STATE UNIVERSITY

CHAN, P W; *EXPERIMENTAL INVESTIGATIONS AT THE PLASMA-SOLID INTERFACE USING LIGHT SCATTERING TECHNIQUES (K032473)*; 12 MONTHS $25,700

CONNECTICUT

YALE UNIVERSITY

FENN, JOHN B, AND ANDERSON, JAMES B; *STUDIES OF MOLECULAR COLLISION PROCESSES (K025883 001)*; 12 MONTHS $77,200

CHANG, RICHARD K; *DISPERSION OF THE OPTICAL NONLINEAR SUSCEPTIBILITY OVER A WIDE WAVELENGTH RANGE (K031720)*; 24 MONTHS $32,800

BURROW, PAUL D; *THE STUDY OF VIBRATIONALLY EXCITED MOLECULES BY SUPERELASTIC ELECTRON SCATTERING (K035001)*; 24 MONTHS $49,600

RENSSELAER POLYTECHNIC INSTITUTE-RENSSELAER POLYTECHNIC INSTITUTE OF CONN

HODGES, JAMES L; *RESEARCH INITIATION-THE EFFECT OF EXHAUST GAS RECIRCULATION ON SPARK IGNITION ENGINE KNOCK (K032670)*; 18 MONTHS $16,000

DISTRICT OF COLUMBIA

CATHOLIC UNIVERSITY OF AMERICA

DEUTSCH, ROBERT W, AND BACHARACH, STEPHEN L; *EXPERIMENTAL AND THEORETICAL INVESTIGATION OF NUCLEAR FISSION INDUCED BY LOW-ENERGY PARTICLES (K032457)*; 12 MONTHS $34,000

GEORGIA

GEORGIA INSTITUTE OF TECHNOLOGY

ZUBER, NOVAK, AND ISHII, MAMORU; *THERMALLY INDUCED FLOW OSCILLATIONS IN TWO PHASE SYSTEMS IN THERMAL EQUILIBRIUM (K016023 001)*; 12 MONTHS $46,900

HAWAII

UNIVERSITY OF HAWAII

FAND, RICHARD M; *SIMULTANEOUS BOILING AND CONVECTION HEAT TRANSFER FROM BODIES WITH BOUNDARY LAYER SEPARATION (K014546 001)*; 9 MONTHS $9,000

ILLINOIS

UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE

CUTTING, JOHN C; *RESEARCH INITIATION-AXIAL CURRENT LEAKAGE IN COMBUSTION DRIVEN SEGMENTED MHD GENERATORS (K032656)*; 18 MONTHS $16,000

UNIVERSITY OF ILLINOIS AT URBANA

COLEMAN, PAUL D; *CO AND TRIATOMIC CHEMICAL LASER SYSTEMS (K004331 001)*; 24 MONTHS $64,000

CHILTON, ARTHUR B, AND AXFORD, ROY A; *APPLICATION OF PARALLED-ARRAY COMPUTERS TO RADIATION TRANSPORT CALCULATIONS (K021030 001)*; 12 MONTHS $22,800

GOLDSTEIN, L, AND MERKELO, H; *NEAR-RESONANT QUANTUM INTERACTIONS OF COHERENT LASER RADIATION WITH GASEOUS PLASMA CONSTITUENTS (K027759 001)*; 12 MONTHS $39,900

MILEY, GEORGE H, AND JONES, BARCLAY G; *EXPERIMENTAL STUDIES OF COUPLED NUCLEAR REACTORS (K033734)*; 12 MONTHS $34,400

INDIANA

PURDUE UNIVERSITY

TAYLOR, R E; *EVALUATION OF THE FLASH DIFFUSIVITY METHOD FOR HIGH TEMPERATURE MEASUREMENTS (K023247)*; 24 MONTHS $62,900

VISKANTA, RAYMOND; *THERMAL REMOTE SENSING OF SEMITRANSPARENT CONDENSED PHASES (K032373 X00)*; 12 MONTHS $30,800

UNIVERSITY OF NOTRE DAME

LLOYD, JOHN R; *RESEARCH INITIATION-LAMINAR, TRANSITION, AND TURBULENT NATURAL CONVECTION ADJACENT TO DOWNWARD-FACING INCLINED SURFACES (K032658)*; 18 MONTHS $16,000

MORRIS, EDGAR E; *RESEARCH INITIATION-NEUTRON PENETRATION IN SODIUM (K032673)*; 18 MONTHS $19,500

KENTUCKY

UNIVERSITY OF KENTUCKY

REUCROFT, P J; *CHARACTERIZATION OF FACTORS INFLUENCING ENERGY STORAGE, CONVERSION AND DETECTION PROCESSES IN ORGANIC SOLIDS (K026154)*; 12 MONTHS $23,300

CREMERS, CLIFFORD J; *STUDY OF ENERGY TRANSFER IN ELECTRIC ARC SYSTEMS (K031453)*; 24 MONTHS $65,300

EICHHORN, ROGER, AND LIENHARD, JOHN H; *HEAT REMOVAL MECHANISMS AND THE NATURE OF PLUMES IN STRATIFIED FLUIDS (K032938)*; 12 MONTHS $36,500

MASSACHUSETTS

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SMULLIN, LOUIS D, LIDSKY, LAWRENCE M, AND BERS, ABRAHAM; *PLASMA DYNAMICS (K028282 X01)*; 12 MONTHS $312,000

MIKIC, BORIVOJE; *STUDY OF EFFECTS OF PRESENCE OF NON-CONDENSABLE GASES ON HEAT TRANSFER COEFFICIENT IN DROPWISE CONDENSATION (K032132)*; 24 MONTHS $50,700

HARLEMAN, DONALD R F; *ENGINEERING ASPECTS OF HEAT DISPOSAL (K032472)*; 12 MONTHS $33,000

GEORGE, E VICTOR, AND HOFF, PAUL W; *ANOMALOUS HEATING OF PLASMAS BY INTENSE* CO_2 *LASER IRRADIATION (K033843)*; 12 MONTHS $56,800

NORTHEASTERN UNIVERSITY

BOWMAN, H FREDERICK; *TRANSIENT BOILING PHENOMENA AND ITS RELATIONSHIP TO HEATER SURFACE PROPERTIES IN POOL-BOILING CRYOGENIC LIQUIDS (K021211)*; 24 MONTHS $44,900

UNIVERSITY OF MASSACHUSETTS, AMHERST

TANG, TING-WEI; *STUDY OF NONLINEAR ELECTROMAGNETIC WAVE INTERACTIONS IN AN INHOMOGENEOUS MAGNETOPLASMA (K018514 001)*; 6 MONTHS $5,000

HORVAY, GABRIEL, AND ZINSMEISTER, GEORGE E; *TRANSIENT HEAT CONDUCTION IN COMPOSITES (K033844)*; 12 MONTHS $29,200

WILLIAMS COLLEGE

BROWN, FIELDING; *FAR-INFRARED LASERS (K034382)*; 12 MONTHS $45,900

MICHIGAN

UNIVERSITY OF MICHIGAN

KING, JOHN S; *NEUTRON INELASTIC SCATTERING IN SOLIDS (K012492 001)*; 24 MONTHS $55,800

HAMMITT, FREDERICK G; *BUBBLE NUCLEATION, GROWTH AND COLLAPSE PHENOMENA (K013081 001)*; 24 MONTHS $60,100

GETTY, W D, AND ROWE, J E; *INVESTIGATIONS OF PLASMA HEATING VIA BEAM-PLASMA INTERACTIONS (K015689 001)*; 12 MONTHS $50,400

DUDERSTADT, JAMES J, OSBORN, RICHARD K, AND AKCASU, A Z; *THEORETICAL STUDIES OF RADIATION SCATTERING FROM DENSE, MANY PARTICLE SYSTEMS (K019360 X01)*; 12 MONTHS $29,700

SPRINGER, GEORGE S; *INTERFACIAL PHENOMENA DURING LIQUID METAL-VAPOR PHASE CHANGE (K033197)*; 12 MONTHS $32,200

YANG, WEN-JEI, AND CLARK, JOHN A; *AN UNCONVENTIONAL LIQUID SPRAY HEAT EXCHANGER FOR RANKINE CYCLE POWER PLANT APPLICATION (K033814)*; 12 MONTHS $34,000

MINNESOTA

UNIVERSITY OF MINNESOTA

OSKAM, H J; *STUDIES OF COLLISION PROCESSES IN GASEOUS DISCHARGE PLASMAS (K010395 002)*; 24 MONTHS $69,100

CHAMPLIN, KEITH S; *INTERACTIONS BETWEEN ULTRAMICROWAVE RADIATION AND THE SEMICONDUCTOR FREE-CARRIER PLASMA (K011289 001)*; 24 MONTHS $67,500

GOLDSTEIN, R J; *HEAT TRANSPORT BY THERMAL CONVECTION (K015252 001)*; 24 MONTHS $77,900

MISSISSIPPI

MISSISSIPPI STATE UNIVERSITY

MURPHREE, DAVID L; *ARC DISCHARGE AND ELECTRODE SPOT BEHAVIOR IN AN APPLIED MAGNETIC FIELD (K030543)*; 24 MONTHS $71,600

MISSOURI

UNIVERSITY OF MISSOURI, COLUMBIA

WARDER, RICHARD; *INVESTIGATION OF THE ELECTRON ENERGY EXCHANGE PROCESSES IN NONEQUILIBRIUM PLASMAS (K024150)*; 24 MONTHS $71,800

MONTANA

MONTANA STATE UNIVERSITY

SCANLAN, J A; *NATURAL CONVECTION HEAT TRANSFER FROM A HEATED BODY TO ITS FINITE ENCLOSURE (K031908)*; 24 MONTHS $91,100

NEW YORK

COLUMBIA UNIVERSITY

MARSHALL, T C, GROSS, R A, SCHLESINGER, S P, AND SEN, A K; *PLASMA WAVES, STABILITY, AND DISSIPATION (K026326 001)*; 12 MONTHS $101,800

CORNELL UNIVERSITY

NATION, JOHN A; *NEW HIGH-POWER PULSED MICROWAVE GENERATOR (K024973)*; 24 MONTHS $75,100

NEW YORK UNIVERSITY

CHEN, MICHAEL M; *THERMAL CONVECTION OF HORIZONTAL FLUID LAYERS AT HIGH RAYLEIGH NUMBERS (K025862)*; 24 MONTHS $58,200

RENSSELAER POLYTECHNIC INSTITUTE

WAYNER, PETER C JR; *HEAT AND MASS TRANSFER IN EVAPORATING MENISCI (K024223)*; 24 MONTHS $61,000

TURINSKY, PAUL J; *RESEARCH INITIATION - STUDY OF THE MULTI-TERM SEPARABLE KERNEL METHOD IN NEUTRON SLOWING DOWN THEORY (K032663)*; 18 MONTHS $16,000

STATE UNIVERSITY AT BUFFALO

GILL, WILLIAM N; *MIXING PROPERTIES OF MATERIAL AND THERMAL POLLUTION SOURCES (K034380)*; 24 MONTHS $40,000

NORTH CAROLINA

NORTH CAROLINA STATE UNIVERSITY AT RALEIGH

ZUMWALT, LLOYD R; *THE DIFFUSION OF FISSION PRODUCTS IN ALPHA THORIUM (K023318)*; 12 MONTHS $30,900

SAXE, R F, AND EDWARDS, J A; *THE DYNAMICS OF BOILING (K033088)*; 12 MONTHS $28,100

OHIO

CASE WESTERN RESERVE UNIVERSITY

PAO, YOH-HAN; *LASER WAVELENGTH AND FREQUENCY STANDARDS BASED ON HE-NE LASERS AND I2129 VAPOR (K025129)*; 24 MONTHS $74,700

MAWARDI, OSMAN K; *SHOCK WAVES AND THE INTERACTION OF A PLASMA BEAM WITH A MAGNETIC BARRIER (K028301 001)*; 12 MONTHS $57,600

GRUBER, S; *STUDY OF GAS TURBULENCE USING OPTICAL PROBES (K032312 X00)*; 12 MONTHS $28,100

T'IEN, JAMES S; *RESEARCH INITIATION - COMBUSTION IN THE ROTATING BOUNDARY LAYER (K032659)*; 18 MONTHS $16,000

OSTRACH, SIMON; *EFFECT OF SWIRL ON TWO-PHASE FLOWS (K034134)*; 12 MONTHS $25,500

OREGON

OREGON STATE UNIVERSITY

KNUDSEN, JAMES G; *NATURAL AND FORCED TURBULENT MIXING BETWEEN INTERCONNECTED ADJACENT FLOW CHANNELS (K030340 X00)*; 12 MONTHS $20,700

PENNSYLVANIA

UNIVERSITY OF PENNSYLVANIA

COHEN, IRA M; *RESEARCH IN IONIZED GASES- PROBES AND DISCHARGES (K002281 001)*; 24 MONTHS $70,000

RHODE ISLAND

BROWN UNIVERSITY

CLARKE, JOSEPH H; *NONEQUILIBRIUM PHENOMENA IN STRONG IONIZING SHOCK WAVES (K031510)*; 12 MONTHS $36,500

TENNESSEE

VANDERBILT UNIVERSITY

OVERHOLSER, KNOWLES A; *RESEARCH INITIATION-MEASUREMENT OF MINIMUM IGNITION ENERGIES USING A PULSED LASER (K032657)*; 18 MONTHS $16,000

TEXAS

SOUTHERN METHODIST UNIVERSITY

HOLMAN, JACK P; *EXPERIMENTAL AND ANALYTICAL STUDIES OF JET BOILING COOLING TECHNIQUES (K024637)*; 24 MONTHS $32,900

TEXAS A & M UNIVERSITY

DAVIDSON, JAMES N; *RESEARCH INITIATION - PLASMA DIFFUSION IN ASYMMETRIC TOROIDAL GEOMETRIES AND ITS EFFECT ON BLANKET DESIGN (K032629)*; 18 MONTHS [illegible],900

TEXAS TECH UNIVERSITY

KRISTIANSEN, M; *THEORETICAL AND EXPERIMENTAL INVESTIGATIONS OF RF PLASMA HEATING (K011657 001)*; 24 MONTHS $39,500

UNIV OF TEXAS AT AUSTIN

GAGE, STEPHEN J, AND ATKINSON, GARDNER D JR; *NONDESTRUCTIVE ASSAY OF SPECIAL NUCLEAR MATERIALS BY FISSION GAMMA RAY ANALYSIS USING A CALIFORNIUM-252 NEUTRON SOURCE (K026062)*; 24 MONTHS $49,400

VIRGINIA

UNIVERSITY OF VIRGINIA

FISHER, SAMUEL S; *GAS-SURFACE INTERACTION EXPERIMENTAL RESEARCH (K020020)*; 12 MONTHS $27,200

WASHINGTON

UNIVERSITY OF WASHINGTON

SLEICHER, CHARLES A; *DYNAMIC RESPONSE OF HOT FILM ANEMOMETERS IN LIQUID METALS (K030296)*; 24 MONTHS $64,800

WOODRUFF, GENE L; *DELAYED NEUTRON SPECTRA FROM FAST FISSION (K033286)*; 12 MONTHS $42,400

DEPEW, CREIGHTON A; *COMBINED FREE AND FORCED CONVECTION IN A HORIZONTAL CIRCULAR TUBE (K033931)*; 12 MONTHS $31,500

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

SCHARER, J E; *CYCLOTRON WAVE WARM PLASMA STUDIES (K021367)*; 24 MONTHS $53,000

POWELL, HUGH N; *THERMAL CONDUCTIVITY MEASUREMENT IN HIGH TEMPERATURE GASES (K025779)*; 24 MONTHS $53,500

SHOHET, J L; *MICROWAVE HEATING OF PLASMAS (K032131)*; 24 MONTHS $68,300

UNIVERSITY OF WISCONSIN, MILWAUKEE

KARADI, GABOR, AND GARVEY, WALTER A; *PUMPED STORAGE DEVELOPMENT AND ITS ENVIRONMENTAL EFFECTS (K031683)*; 24 MONTHS $21,700

ENGINEERING MECHANICS

ARIZONA

UNIVERSITY OF ARIZONA

KISIEL, CHESTER C; *SPACE-TIME SAMPLING AND RANDOMNESS IN RELATION TO EQUATIONS OF HYDROLOGIC SYSTEMS* (*K034014*); 12 MONTHS $12,500

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

WU, THEODORE Y, AND PLESSET, MILTON S; *BIOPHYSICAL FLUID MECHANICS* (*K031161 X00*), 12 MONTHS $78,600

VANONI, VITO A, BROOKS, NORMAN H, AND RAICHLEN, FREDRIC; *BASIC RESEARCH IN SEDIMENTATION* (*K031802 X00*); 12 MONTHS $61,500

HUDSON, DONALD E; *RECORDING AND ANALYSIS OF DYNAMIC FULL-SCALE EARTH, BUILDING, AND DAM MOTIONS IN YUGOSLAVIA* (*K031941*); 12 MONTHS $19,700

CALIFORNIA STATE UNIVERSITY, LONG BEACH

CEBECI, TUNCER, DYER, J, AND KYLE, C R; *PREDICTION OF MEAN AND FLUCTUATING FLOW VARIABLES IN TURBULENT BOUNDARY LAYERS* (*K030981*); 24 MONTHS $41,789

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE

SANDERS, CHARLES F; *1972 HEAT TRANSFER AND FLUID MECHANICS INSTITUTE MEETING* (*K034147*), 12 MONTHS $1,500

CALIFORNIA STATE UNIVERSITY, SAN DIEGO

KAY, J NEIL; *RESEARCH INITIATION - INTERLOCK TENSION IN CELLULAR SHEET PILE TYPE STRUCTURES* (*K032634*); 18 MONTHS $16,000

STANFORD UNIVERSITY

ACRIVOS, ANDREAS; *TRANSPORT PHENOMENA WITHIN REGIONS OF CLOSED STREAMLINE FLOWS* (*K021452 X01*); 12 MONTHS $29,200

REMSON, IRWIN; *HYDROLOGIC MODELS FOR PREDICTING THE EFFECTS OF URBANIZATION* (*K026153 X01*); 12 MONTHS $21,800

VINCENTI, WALTER G; *EXPERIMENTAL DETERMINATION OF MOLECULAR NONEQUILIBRIUM PARAMETERS* (*K030635*); 22 MONTHS $73,300

HSU, E Y, AND STREET, R L; *STUDIES OF SEA-AIR INTERACTIONS* (*K031809 X00*); 12 MONTHS $61,300

HAYES, WILSON C; *RESEARCH INITIATION - STRESS-REMODELING RELATIONSHIPS IN BONE* (*K032636*); 18 MONTHS $16,000

RICHARDS, CEDRIC W, AND HELMUTH, RICHARD A; *MICROMECHANICS OF EXPANSIVE REACTIONS IN CONCRETE* (*K034011 X00*); 12 MONTHS $59,800

KARAMCHETI, K; *EIGHTH INTERNATIONAL SYMPOSIUM ON RAREFIED GASDYNAMICS* (*K034146*); 12 MONTHS $2,700

UNIVERSITY OF CALIFORNIA, BERKELEY

POLIVKA, MILOS; *MECHANISM OF CREEP OF CONCRETE UNDER THE EFFECTS OF CYCLIC CHANGES IN TEMPERATURE AND HUMIDITY* (*K003901 001*); 24 MONTHS $42,500

HURLBUT, F C, AND TALBOT, L; *MOLECULAR DISTRIBUTION FUNCTIONS IN RAREFIED GAS FLOW* (*K011651 001*); 24 MONTHS $131,900

LUBLINER, JACOB, AND MCNIVEN, H D; *FINITE DEFORMATION WAVES IN ARTERIES* (*K024691 X01*), 12 MONTHS $34,700

MITCHELL, JAMES K; *COLLABORATIVE RESEARCH ON SOIL-CEMENT SLOPE PROTECTION FOR EARTH EMBANKMENTS* (*K025975*); 24 MONTHS $19,100

SCORDELIS, ALEXANDER C; *STRESS ANALYSIS OF CRACKED REINFORCED CONCRETE MEMBERS AND SYSTEMS* (*K028073 X01*); 12 MONTHS $25,300

HSU, CHIEH S; *DYNAMIC STABILITY OF RETARDED ELASTIC AND AEROELASTIC SYSTEMS* (*K031025*); 24 MONTHS $56,200

BOUWKAMP, J G, AND WILSON, E L; *STRUCTURAL ANALYSIS OF HIGH-RISE BUILDINGS CONSTRUCTED BY INDUSTRIALIZED METHODS* (*K031586 X00*); 12 MONTHS $57,600

GREIF, RALPH; *GAS FLOWS AT HIGH TEMPERATURES* (*K031773*); 24 MONTHS $36,000

MIKA, THOMAS S; *RESEARCH INITIATION - MODELING BATCH SIZE REDUCTION PROCESSES* (*K032635*); 18 MONTHS $16,000

UNIVERSITY OF CALIFORNIA, DAVIS

SHEN, CHIH-KANG; *COLLABORATIVE RESEARCH ON SOIL-CEMENT SLOPE PROTECTION FOR EARTH EMBANKMENTS* (*K025972*); 24 MONTHS $25,700

UNIVERSITY OF CALIFORNIA, LOS ANGELES

MAL, A K, AND KNOPOFF, LEON; *ELASTIC WAVES IN COMPOSITES* (*K018775*); 24 MONTHS $47,300

MUKI, R, AND WESTMANN, R A; *MECHANICS OF ADHESIVE JOINTS* (*K030773*); 24 MONTHS $62,000

DUBOWSKY, STEVEN; *RESEARCH INITIATION - DYNAMICS OF HIGH SPEED NONLINEAR MECHANISMS* (*K032633*), 18 MONTHS $20,000

UNIVERSITY OF CALIFORNIA, SAN DIEGO

FUNG, Y C; *CARDIO-PULMONARY DYNAMICS* (*K032978 X00*); 12 MONTHS $72,600

VAN ATTA, CHARLES W; *SPECTRAL TRANSFER IN HIGH REYNOLDS NUMBER TURBULENT FLOWS* (*K033799*); 12 MONTHS $46,000

WOO, SAVIO L-Y, AND AKESON, WAYNE H; *ARTICULAR CARTILAGE OF THE HUMAN FEMORAL HEAD* (*K034013*); 12 MONTHS $23,800

HEGEMIER, G A; *WAVE PROPAGATION IN NONHOMOGENEOUS ELASTIC AND ANELASTIC MEDIA* (*K034017*); 12 MONTHS $54,800

UNIVERSITY OF SOUTHERN CALIFORNIA

WEINGARTEN, VICTOR I; *EFFECTS OF NONLINEARITIES ON THE DYNAMIC RESPONSE OF SHELLS* (*K025136 X01*); 12 MONTHS $17,500

MUNTZ, E P; *COLLABORATIVE EXPERIMENTAL STUDY OF A NEW GASEOUS SEPARATION PROCESS* (*K030982*); 24 MONTHS $60,200

MARGOLIAS, DAVID S; *RESEARCH INITIATION - BUCKLING OF HYPERBOLOIDAL COOLING TOWERS* (*K032625*), 18 MONTHS $16,000

UNIVERSITY OF CALIFORNIA, SAN DIEGO-REVELLE COLLEGE

REISSNER, ERIC; *SPECIAL PROBLEMS OF ELASTIC BEAMS, PLATES, AND SHELLS* (*K030369*); 24 MONTHS $35,500

COLORADO

COLORADO STATE UNIVERSITY

BODIG, JOZSEF, AND GOODMAN, JAMES R; *STRESS-STRAIN CURVES OF WOOD IN COMPRESSION* (*K015785 001*); 12 MONTHS $10,400

MERONEY, ROBERT N; *LAMINAR/TURBULENT TRANSITION IN TRANSPIRED BOUNDARY LAYER FLOWS* (*K023989*); 24 MONTHS $41,000

NICKERSON, EVERETT C; *AN EXTREMAL STUDY OF STRATIFIED SHEAR FLOWS* (*K030556*); 24 MONTHS $37,800

VANDERBILT, M D, GOODMAN, J R, CRISWELL, M E, AND BODIG, J; *A RATIONAL ANALYSIS AND DESIGN PROCEDURE FOR WOOD JOIST FLOOR SYSTEMS* (*K030853*); 24 MONTHS $206,700

YEVJEVICH, V; *STOCHASTIC PROCESSES IN WATER RESOURCES* (*K031512 X00*); 12 MONTHS $85,400

YEVJEVICH, VUJICA; *INVESTIGATION OF WATER RESOURCES IN KARST REGIONS* (*K031529 X00*); 12 MONTHS $33,800

VANDER WERFF, TERRY J; *RESEARCH INITIATION - EFFECTS OF LOCALIZED ABNORMALITIES ON BLOOD FLOW IN ARTERIES* (*K032647*); 18 MONTHS $20,000

LONGENBAUGH, R A; *SECOND FORT COLLINS INTERNATIONAL SYMPOSIUM IN HYDROLOGY ON FLOODS, DROUGHTS, AND DECISION MAKING WITH SCARCE DATA* (*K033375*); 12 MONTHS $33,300

MERONEY, ROBERT N; *NUMERICAL AND PHYSICAL MODELS OF URBAN HEAT ISLAND* (*K033800*); 9 MONTHS $17,900

BALDWIN, KIONEL V; *AN EXPERIMENTAL AND SIMULATION STUDY OF TURBULENT SHEAR FLOW* (*K034121*); 4 MONTHS $10,000

UNIVERSITY OF COLORADO

SNYDER, HOWARD; *GEOPHYSICAL MODELING EXPERIMENTS AND NONLINEAR INSTABILITY* (*K025290*); 24 MONTHS $39,600

SCHIFFMAN, ROBERT L; *SPECIAL CONFERENCE ON COMPUTER SOFTWARE FOR CIVIL ENGINEERING* (*K030332*); 12 MONTHS $13,500

KREITH, FRANK; *LABORATORY MODELING OF THE LOWER ATMOSPHERE* (*K030584*); 24 MONTHS $33,500

SCHIFFMAN, ROBERT L; *COLLABORATIVE RESEARCH- COMPUTER BASED TECHNOLOGY TRANSFER IN CIVIL ENGINEERING* (*K032971 X00**); 12 MONTHS $73,700

CONNECTICUT

YALE UNIVERSITY

WEGENER, PETER P; *BUBBLE INDUCED VERTICAL MASS TRANSPORT IN WATER* (*K033058 X00**), 12 MONTHS $18,500

DISTRICT OF COLUMBIA

GEORGE WASHINGTON UNIVERSITY

TORIDIS, THEODORE G; *ULTIMATE STRENGTH OF BUILDING SYSTEMS SUBJECTED TO DYNAMIC LOADS* (*K034051 X00*); 12 MONTHS $43,000

CHI, S W; *WIND LOADINGS OF GROUND STRUCTURES IN INTENSE ATMOSPHERIC VORTICES* (*K034052*); 12 MONTHS $16,500

NATIONAL ACADEMY OF ENGINEERING

DILLON, ROBERT M; *SUPPORT OF THE U.S. NATIONAL COMMITTEE FOR THE INTERNATIONAL COUNCIL FOR BUILDING RESEARCH STUDIES AND DOCUMENTATION* (*C410186 001*); 12 MONTHS $30,000

NATIONAL ACADEMY OF SCIENCES

DILLON, ROBERT M; *PRECOORDINATED SUBSYSTEMS FOR BUILDING* (*C410237*); 15 MONTHS $15,000

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

CLIFFE, ROBERT A; *INSPECTION OF DAMAGE DUE TO NATURAL DISASTERS* (*C410115 008*); 12 MONTHS $14,300

FLORIDA

UNIVERSITY OF FLORIDA

PARTHENIADES, EMMANUEL, *DEPOSITION OF FINE SEDIMENTS IN TURBULENT FLOWS (K031850)*; 24 MONTHS $49,700

UNIVERSITY OF FLORIDA-ENGINEERING & INDUSTRIAL EXPERIMENT STATION

SHEMDIN, O H; *GENERATION AND GROWTH OF WIND WAVES (K031805)*; 24 MONTHS $139,700

SHEMDIN, O H; *LABORATORY INVESTIGATION OF GENERATION AND GROWTH OF WIND WAVES (K031805* [illegible]

NEVILL, G E JR; *LOWER BOUNDS ON DISPLACEMENTS OF DYNAMICALLY LOADED STRUCTURES (K034030)*; 12 MONTHS $30,300

UNIVERSITY OF MIAMI-SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES

VAN DE KREEKE, J; *RESEARCH INITIATION - INVESTIGATION INTO THE TIDE-INDUCED MASS TRANSPORT IN SHALLOW LAGOONS (K032654)*; 18 MONTHS $16,000

GEORGIA

GEORGIA INSTITUTE OF TECHNOLOGY

WINER, WARD O, AND SANBORN, DAVID M; *RHEOLOGICAL EFFECTS IN THIN FILM LUBRICATION (K031154)*; 24 MONTHS $69,100

BROWN, RUSSELL H; *RESEARCH INITIATION - PREDICTION OF COMPRESSIVE STRENGTH OF MASONRY STRUCTURAL SYSTEMS (K032648)*; 18 MONTHS $15,900

HAWAII

UNIVERSITY OF HAWAII

HARRENSTIEN, H P; *INTERNATIONAL CONFERENCE ON HYDROMECHANICALLY LOADED SHELLS (K030116)*; 14 MONTHS $15,900

GERSCH, WILL, AND NIELSEN, N NORBY; *THE IDENTIFICATION OF RANDOMLY EXCITED LINEAR STRUCTURAL SYSTEMS (K031472)*; 24 MONTHS $131,800

ILLINOIS

ILLINOIS INSTITUTE OF TECHNOLOGY

BARNETT, RALPH L; *MINIMUM COST STRUCTURAL DESIGN BASED ON NONDESTRUCTIVE PROOF TESTING (K030872)*; 24 MONTHS $43,300

LEONARD, JOHN W; *NONLINEAR DYNAMICS OF CABLE NETWORKS AND REINFORCED MEMBRANES WITH SMALL INITIAL TENSIONS (K031031)*; 24 MONTHS $32,200

NORTHWESTERN UNIVERSITY

ACHENBACH, JAN D; *FRACTURE OF BRITTLE MATERIALS UNDER IMPACT LOADS (K026217)*; 24 MONTHS $54,200

NEMAT-NASSER, S; *CONSISTENCY AND ERROR-ESTIMATE IN NUMERICAL ANALYSIS OF PRE- AND POST-CRITICAL RESPONSE OF ELASTIC CONTINUA AT FINITE STRAINS (K031352)*; 24 MONTHS $44,500

MURA, TOSHIO; *A VARIATIONAL PRINCIPLE FOR MICROMECHANICS OF COMPOSITE MATERIALS (K034020 X00)*; 12 MONTHS $[illegible],400

UNIVERSITY OF ILLINOIS AT URBANA

ANG, ALFRED H S; *PROBABILISTIC ASPECTS OF STRUCTURAL MECHANICS RELEVANT TO SAFETY AND DESIGN (K001812 X02)*; 12 MONTHS $44,800

KARARA, H M; *RATIONAL DESIGN OF CLOSE-RANGE PHOTOGRAMMETRIC SYSTEMS (K011655 001)*; 12 MONTHS $41,200

HOLLEY, E R; *TRACER MIXING FOR DISCHARGE MEASUREMENTS IN PIPES (K024931)*; 24 MONTHS $49,300

LAWRENCE, F V JR, YOUNG, J F, AND HILSDORF, H K; *IMPROVEMENT OF THE MECHANICAL PROPERTIES OF PORTLAND CEMENT CONCRETE (K030774 X00)*; 12 MONTHS $85,200

LIN, Y K; *RANDOM VIBRATIONS OF ALMOST PERIODIC STRUCTURES (K034136 X00)*; 12 MONTHS $41,900

INDIANA

PURDUE UNIVERSITY

KOVACS, WILLIAM D; *THE LIQUEFACTION BEHAVIOR OF SATURATED SANDS IN CYCLIC SIMPLE SHEAR (K030482)*; 12 MONTHS $9,100

YAO, JAMES T P; *RELIABILITY IN THE DESIGN OF STRUCTURES FOR DYNAMIC LOADS (K030651)*; 24 MONTHS $64,100

SCHIFF, ANSHEL J; *DETERMINING DYNAMIC STRUCTURAL RESPONSE (K031957)*; 24 MONTHS $91,400

UNIVERSITY OF NOTRE DAME

NEE, VICTOR W, AND YANG, KWANG-TZU; *PHENOMENOLOGICAL APPROACH TO TURBULENT BOUNDARY-LAYERS (K031025)*; 24 MONTHS $[illegible]

NEE, VICTOR W; *FEASIBILITY STUDY OF A MULTI-PURPOSE METEOROLOGICAL WIND TUNNEL (K034727)*; 12 MONTHS $60,000

IOWA

IOWA STATE UNIVERSITY OF SCIENCE & TECHNOLOGY

KIRKHAM, DON; *NON-ORTHONORMAL POLYNOMIAL METHOD APPLIED TO SOME POTENTIAL FLOW PROBLEMS (K031137)*; 24 MONTHS $46,100

DEMIREL, TURGUT, AND LOHNES, ROBERT A; *CLAY STRENGTH AND RATE PROCESS THEORY (K034081 X00)*; 12 MONTHS $32,900

KENTUCKY

UNIVERSITY OF KENTUCKY

BROCK, [illegible]; *RESEARCH INITIATION - INTERFACE FLAW EXTENSION IN LAMINATED COMPOSITE MATERIALS (K032617)*; 18 MONTHS $15,300

HSU, NELSON N; *RESEARCH INITIATION - STRESS ANALYSIS USING THE ACOUSTICAL BIREFRINGENCE OF ULTRASONIC WAVES (K032618)*; 18 MONTHS $15,900

LOUISIANA

TULANE UNIVERSITY

COWIN, S C; *GRAVITY FLOW OF GRANULAR MATERIALS (K031071)*; 24 MONTHS $58,700

MARYLAND

JOHNS HOPKINS UNIVERSITY

ERICKSEN, J L; *NONLINEAR CONTINUUM THEORIES (K013306 001)*; 24 MONTHS $86,000

CORRSIN, STANLEY; *FLUID MECHANICS PROBLEMS RELATED TO BIOLOGICAL FLOW PHENOMENA (K028084 X01)*; 12 MONTHS $45,100

DAVIS, STEPHEN H; *INTERFACIAL FLUID DYNAMICS (K031794)*; 24 MONTHS $67,350

CORRSIN, STANLEY; *BASIC RESEARCH ON TURBULENT FLOW AND ITS EFFECTS (K034016)*; 12 MONTHS $31,000

UNIVERSITY OF MARYLAND, COLLEGE PARK

ASIMOW, R M; *PLANE STRESS FATIGUE CRACK PROPAGATION (K031272)*; 12 MONTHS $7,400

HOLLOWAY, DAVID C; *RESEARCH INITIATION - INVESTIGATIONS INTO THE HOLOGRAPHIC AND DIFFRACTION METHODS IN DYNAMIC STRESS ANALYSIS (K032620)*; 18 MONTHS $16,000

REBUCK, ERNEST C; *RESEARCH INITIATION - NUMERICAL AND FIELD EVALUATION OF UNCONFINED FLOW TO A SINGLE WELL (K032625)*; 18 MONTHS $16,000

MASSACHUSETTS

BOSTON ARCHITECTURAL CENTER

WILSON, DUNCAN M; *FIRST INTERNATIONAL SYSTEMS BUILDING ROUND TABLE DISCUSSION CONFERENCE (K030815)*; 12 MONTHS $18,500

WILSON, DUNCAN M; *FIRST INTERNATIONAL SYSTEMS BUILDING ROUND TABLE DISCUSSION CONFERENCE (K030815 001)*; 6 MONTHS $8,000

HARVARD UNIVERSITY

MCMAHON, THOMAS A; *RESEARCH INITIATION - RHEOLOGY OF SUSPENSIONS-DOPPLER FLOWMETER EXPERIMENTS (K032666)*; 18 MONTHS $16,000

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

MCCLINTOCK, FRANK A, AND ARGON, ALI S; *MECHANICS OF DUCTILE FRACTURE (K001875 X02)*; 12 MONTHS $103,200

CRANDALL, STEPHEN H; *SOUND REINFORCEMENT BY STRUCTURAL INTERACTION (K010160 002)*; 6 MONTHS $13,500

NEWMAN, JOHN N; *APPLICATIONS OF WATER-WAVE THEORY TO FLOATING BODIES (K010846 001)*; 24 MONTHS $68,000

KEIL, ALFRED H; *SYSTEMATIC SUPPORT FOR MARINE APPLIED MECHANICS (K020189 X01)*; 12 MONTHS $78,200

LYON, RICHARD H; *SOUND TRANSMISSION IN BUILDINGS (K024733 X01)*; 12 MONTHS $89,900

HANSEN, ROBERT J; *RESEARCH IN BUILDING SYSTEMS (K025510 X01)*; 15 MONTHS $186,300

DEVANNEY, J W; *STUDY OF HARBOR TRAFFIC CONTROL (K030947)*; 22 MONTHS $58,400

SHAPIRO, ASCHER H, AND JAFFRIN, MICHEL Y; *SELF-INDUCED DIFFUSION OF SOLID PARTICLES IN SUSPENSIONS (K031188)*; 24 MONTHS $70,600

JAFFRIN, MICHEL Y; *OSCILLATORY FLUID FLOW IN LUNGS (K031206)*; 24 MONTHS $52,100

GELHAR, LYNN W; *INTERACTION BETWEEN TURBULENT FLOWS AND PERMEABLE BOUNDARIES (K031774 X00)*; 12 MONTHS $24,100

MADSEN, OLE S; *RESEARCH INITIATION - THE STABILITY OF A SAND BED UNDER THE ACTION OF BREAKING WAVES (K032665)*; 18 MONTHS $16,000

WILLIAMS, JAMES H JR; *RESEARCH INITIATION-FRACTURE MECHANISMS OF GRAPHITE COMPOSITES DUE TO PARTICLE IMPINGEMENT (K032671)*; 18 MONTHS $16,000

MILGRAM, JEROME H; *WAVE EFFECTS ON THE CONTAINMENT AND COLLECTION OF OIL SLICKS (K033816)*; 12 MONTHS $60,000

LAMBE, T WILLIAM; *PREDICTING THE PERFORMANCE OF CONSTRUCTED FACILITIES* (*K034018*); 12 MONTHS $100,000

UNIVERSITY OF MASSACHUSETTS, AMHERST

BOOTHROYD, GEOFFREY, AND MCLENNAN, GEORGE A; *INTERFACE DAMPING IN MACHINE TOOL STRUCTURES* (*K021300*); 24 MONTHS $49,100

KIRCHHOFF, ROBERT H; *THE DIRECT MEASUREMENT OF VELOCITY GRADIENTS IN FLUID FLOW* (*K030481*); 18 MONTHS $17,500

ARCHER, ROBERT R; *SOME CONTINUUM MECHANICAL MODELS FOR THE STUDY OF PLANT GROWTH PHENOMENON* (*K031490*); 24 MONTHS $70,100

CROSSLEY, F R ERSKINE; *DYNAMICS OF MECHANISMS WITH TWO REGIMES AND SHOCK* (*K032378*); 24 MONTHS $63,900

CROSSLEY, F R E, AND LIANDER, BERTIL; *WORKSHOP ON NATIONAL PRODUCTIVITY IN DURABLE GOODS MANUFACTURING* (*K034180*); 12 MONTHS $23,500

MICHIGAN

UNIVERSITY OF MICHIGAN

LUDEMA, KENNETH C; *ELASTO-HYDRODYNAMICS AND WET TIRE TRACTION* (*K030490*); 24 MONTHS $45,700

WILLMARTH, WILLIAM W; *STRUCTURE OF TURBULENCE IN THE BOUNDARY LAYER* (*K030888*); 24 MONTHS $45,100

TAYLOR, JOHN E; *ANALYTICAL METHODS FOR OPTIMAL STRUCTURAL DESIGN* (*K031476*); 24 MONTHS $48,600

CHACE, MILTON A; *GENERALIZED DYNAMICS OF MACHINERY - DETERMINATION AND DEVELOPMENT OF ANALYTICAL AND COMPUTER METHODS* (*K031000*); 24 MONTHS $65,100

SHERMAN, PAULINE M, AND GLASS, D R; *AN INVESTIGATION OF ACOUSTIC FEEDBACK FOR THE REDUCTION OF JET NOISE* (*K033801*); 12 MONTHS $60,000

WAYNE STATE UNIVERSITY

WHITMAN, A B, AND DESILVA, C N; *NONLINEAR RESPONSE OF RODS AND SHELLS TO TIME-DEPENDENT LOADS AND TEMPERATURE FIELDS* (*K031061*); 24 MONTHS $67,500

MINNESOTA

UNIVERSITY OF MINNESOTA

JOSEPH, DANIEL D; *STUDIES IN HYDRODYNAMIC STABILITY* (*K012500 001*); 24 MONTHS $60,400

FOSDICK, ROGER L; *INVESTIGATIONS IN CONTINUUM MECHANICS* (*K025139*); 24 MONTHS $55,900

KILLEN, JOHN M, AND WETZEL, JOSEPH M; *ZERO-CROSSING-RATE TECHNIQUE FOR SHEAR FLOW MEASUREMENTS* (*K030886*); 12 MONTHS $33,100

FORSTROM, RICHARD J; *RESEARCH INITIATION - RED BLOOD CELL PERMEABILITY IN SHEAR FIELDS* (*K032669*); 18 MONTHS $16,000

ERDMAN, ARTHUR G; *RESEARCH INITIATION - KINETO-ELASTODYNAMIC DESIGN OF MECHANISMS* (*K032672*); 18 MONTHS $15,900

SILBERMAN, EDWARD; *THE MECHANISM OF TURBULENCE IN STEADY HELICAL PIPE FLOW* (*K033817*); 12 MONTHS $27,000

ANDERSON, ALVIN G; *DEVELOPMENT OF MEANDER SYSTEMS WITH SPECIAL REFERENCE TO THE DISCHARGE SPECTRUM* (*K034031*); 12 MONTHS $33,100

UNIVERSITY OF MINNESOTA-INSTITUTE OF TECHNOLOGY

LAMBERT, ROBERT F, AND MORAN, JOHN P; *PREDICTION AND MEASUREMENT OF SOUND PROPAGATION IN LINED FLOW DUCTS* (*K034048*); 12 MONTHS $37,800

MISSISSIPPI

UNIVERSITY OF MISSISSIPPI

PRASAD, SHYAM N, AND GEORGE, K P; *SHRINKAGE DEFORMATION IN PANELS OF CRACKED PAVEMENTS* (*K025604*); 24 MONTHS $61,600

MISSOURI

UNIVERSITY OF MISSOURI, ROLLA

URAL, OKTAY; *SECOND INTERNATIONAL SYMPOSIUM ON LOWER-COST HOUSING PROBLEMS* (*K031502*); 12 MONTHS $4,100

URAL, OKTAY; *SECOND INTERNATIONAL SYMPOSIUM ON LOWER-COST HOUSING PROBLEMS* (*K031502 001*); 9 MONTHS $5,500

WASHINGTON UNIVERSITY

WEINBERG, STEVEN L; *RESEARCH INITIATION - AN INVESTIGATION OF UPPER URINARY FLUID MECHANICS* (*K032668*); 18 MONTHS $16,000

NEBRASKA

UNIVERSITY OF NEBRASKA AT LINCOLN

ERNST, GEORGE C, AND SMITH, GERALD M; *STATIC AND DYNAMIC BEHAVIOR OF REINFORCED CONCRETE FRAMEWORKS* (*K031105*); 24 MONTHS $58,800

NEW JERSEY

PRINCETON UNIVERSITY

BOGDONOFF, S M, LAM, S H, AND BIENKOWSKI, G K; *STUDIES OF HIGH MACH NUMBER LOW DENSITY FLOWS* (*K031904 X00*); 12 MONTHS $72,000

MOON, FRANCIS C; *THE DYNAMICS OF ELASTIC STRUCTURES WITH HIGH CURRENTS* (*K031314*); 24 MONTHS $66,200

RUTGERS UNIVERSITY

PESKIN, RICHARD L; *INVESTIGATION OF PARTICLE MOTION IN SHEAR FLOWS* (*K031788 X00*); 12 MONTHS $39,200

NEW YORK

AMERICAN SOCIETY OF CIVIL ENGINEERS

TAYLOR, DONALD C; *CONFERENCE ON THE GOALS OF CIVIL ENGINEERING RESEARCH- THE RESPONSIVENESS TO THE NEEDS, DESIRES AND ASPIRATIONS OF MAN* (*K030756*); 12 MONTHS $10,300

MCPHERSON, MURRAY B; *A CONFERENCE ON URBAN WATER POLICY- A REVIEW OF PRELIMINARY FINDINGS OF THE NATIONAL WATER COMMISSION* (*K031362*); 9 MONTHS $9,700

WISELY, WILLIAM H; *A FEASIBILITY STUDY FOR THE CIVIL ENGINEERING SOFTWARE CENTER CONCEPT* (*K031428*); 12 MONTHS $24,900

TURCHICK, ALBERT W; *ASCE SYSTEMS BUILDING CONFERENCE* (*K031509*); 8 MONTHS $10,800

WISELY, WILLIAM H; *SUPPORT OF A RESEARCH LECTURE ON PROBLEMS AND SOLUTIONS RELATED TO METRIC CONVERSION IN THE U.S.A.* (*K033400*); 6 MONTHS $1,000

TAYLOR, DONALD C; *EVALUATION OF CURRENT METHODS OF STRUCTURAL DYNAMICS ANALYSIS USING NUCLEAR-INDUCED TRANSIENT EXCITATION* (*K033674**); 12 MONTHS $37,000

AMERICAN SOCIETY OF MECHANICAL ENGINEERS

ADAMCZAK, R L; *1972 ASME-ASLE INTERNATIONAL LUBRICATION CONFERENCE* (*K034187*); 12 MONTHS $10,000

CITY COLLEGE

LOWEN, GERALD; *OPTIMIZATION OF MASS DISTRIBUTION IN MECHANISMS* (*K032874*); 24 MONTHS $68,800

ZOLLO, RONALD F; *RESEARCH INITIATION - EXTRUSION OF WIRE FIBER REINFORCED CONCRETE* (*K032661*); 18 MONTHS $20,000

COLUMBIA UNIVERSITY

FREUDENSTEIN, FERDINAND; *MATHEMATICAL AND KINEMATIC ANALYSIS OF THE SURFACES GENERATED IN PLANE AND SPATIAL MOTIONS OF MECHANISMS* (*K025146*); 24 MONTHS $42,500

CORNELL UNIVERSITY

SLATE, FLOYD O, AND NILSON, ARTHUR H; *NATURE OF THE STRESS-STRAIN RESPONSE AND FRACTURE OF CONCRETE IN BIAXIAL LOADING* (*K031470*); 24 MONTHS $89,300

NEW YORK UNIVERSITY

BENNETT, LEON; *SEMI-HOVERING AERODYNAMICS* (*K031813 X00*); 12 MONTHS $34,700

KELLER, JOSEPH B; *MATHEMATICAL PROBLEMS OF ELECTROMAGNETIC THEORY AND OTHER APPLIED FIELDS* (*P032996 X00**); 12 MONTHS $30,000

POLYTECHNIC INSTITUTE OF BROOKLYN

GOLDBERG, MARTIN A; *THERMOELASTIC STRESS DISTRIBUTION AT A CRACK-TIP* (*K034018*); 12 MONTHS $25,000

RENSSELAER POLYTECHNIC INSTITUTE

KREMPL, ERHARD; *CYCLIC STRAIN HARDENING AND SOFTENING OF STRUCTURAL METALLIC MATERIALS DURING LOW-CYCLE FATIQUE* (*K025525*); 24 MONTHS $39,200

MOW, VAN C; *BIOMECHANICS OF SYNOVIAL JOINTS* (*K030844*); 24 MONTHS $100,000

STATE UNIVERSITY AT BUFFALO

SOONG, T T, AND LEE, GEORGE C; *STOCHASTIC MODELING AND ANALYSIS OF LUNG TISSUE ELASTICITY* (*K031229*); 24 MONTHS $70,900

STATE UNIVERSITY AT STONY BROOK

CHEVRAY, RENE; *PREFERENTIAL TRANSPORT IN THE INTERMITTENT REGION OF A HEATED JET* (*K030479*); 24 MONTHS $29,300

TASI, JAMES; *RESPONSE OF A DISLOCATION IN A LINEAR CHAIN TO A TRAVELLING STRESS WAVE* (*K031515*); 24 MONTHS $30,400

SYRACUSE UNIVERSITY

ESKINAZI, S; *CONVECTION OF JETS AT AN ANGLE OF INCIDENCE TO A FREE STREAM* (*K033758*); 12 MONTHS $36,000

LI, WEN-HSIUNG; *DISPERSION OF POLLUTANTS IN TIDAL ENVIRONMENT* (*K033815*); 12 MONTHS $50,500

LIU, H W; *CYCLIC DEFORMATION AND FATIGUE STRENGTH* (*K034047*); 12 MONTHS $31,900

UNIVERSITY OF ROCHESTER

WEYMANN, HELMUT D; *RELAXATION BEHAVIOR OF THIXOTROPIC SUSPENSIONS* (*K030874*); 24 MONTHS $55,100

WEBB INSTITUTE OF NAVAL ARCHITECTURE

WARD, LAWRENCE W; *EXPERIMENTAL DETERMINATION OF SHIP RESISTANCE IN MODEL AND FULL SCALE* (*K034019*); 12 MONTHS $20,100

NORTH CAROLINA

NORTH CAROLINA STATE UNIVERSITY AT RALEIGH

HAVNER, KERRY S; *ANALYTICAL AND QUANTITATIVE STUDIES IN THEORETICAL POLYCRYSTALLINE PLASTICITY* (*K031313*); 24 MONTHS $55,200

OHIO

CASE WESTERN RESERVE UNIVERSITY

ADLER, ROBERT J, AND EDWARDS, ROBERT V; *SECONDARY FLOW CONTROL OF AXIAL DISPERSION* (*K0338[illegible]*); 12 MONTHS $75,000

SAADA, ADEL S; *STRESS-STRAIN RELATION AND FAILURE OF ANISOTROPIC NATURAL CLAYS* (*K034049*); 3 MONTHS $8,000

OHIO STATE UNIVERSITY

WELLS, MICHAEL K; *RESEARCH INITIATION - NONINVASIVE MEASUREMENT OF PHYSIOLOGICAL FLOW PARAMETERS* (*K032655*); 18 MONTHS $20,000

WU, T H, AND HOOPER, J R; *ENVIRONMENTAL INFLUENCES ON STABILITY OF SOIL MASSES* (*K034082 X00*); 12 MONTHS $42,100

OKLAHOMA

OKLAHOMA STATE UNIVERSITY

MCLAUGHLIN, DENNIS K; *RESEARCH INITIATION - INTERACTION OF INSTABILITIES AND ACOUSTIC RADIATION IN LAMINAR JETS* (*K032686*); 18 MONTHS $16,000

PENNSYLVANIA

CARNEGIE-MELLON UNIVERSITY

HUGHES, W F, AND ROULEAU, W T; *WAVES, TRANSIENTS AND STABILITY IN VISCOUS AND HYDROMAGNETIC FLUID FLOW* (*K031048*); 18 MONTHS $65,700

AU, TUNG, AND WONG, ANDREW K C; *SYSTEMS APPROACH TO ENVIRONMENTAL PLANNING AND DESIGN* (*K031080*); 24 MONTHS $93,000

DYM, CLIVE L; *OPTIMUM DESIGN OF PARTITIONS FOR MINIMUM SOUND TRANSMISSION* (*K031787*); 24 MONTHS $43,600

PARTI, ERNEST W; *RESEARCH INITIATION - A COMPUTERIZED LAYOUT MODEL FOR URBAN REGIONAL PLANNING* (*K032612*); 18 MONTHS $16,000

FENVES, STEVEN J; *COLLABORATIVE RESEARCH- COMPUTER BASED TECHNOLOGY TRANSFER IN CIVIL ENGINEERING* (*K032970 X00**); 12 MONTHS $34,500

CRISE, T A, AND SWEDLOW, J L; *STUDIES IN THREE-DIMENSIONAL ELASTO-PLASTICITY* (*K034044*); 12 MONTHS $37,900

DREXEL UNIVERSITY

HAMEL, B B; *COLLABORATIVE RESEARCH- ANALYTICAL STUDY OF A NEW GASEOUS SEPARATION PROCESS* (*K030983*); 24 MONTHS $47,300

LEHIGH UNIVERSITY

ERDOGAN, FAZIL; *MICROMECHANICS AND FRACTURE OF COMPOSITE MATERIALS* (*K011977 001*); 24 MONTHS $79,000

BEEDLE, LYNN S; *THIRD EDITION OF THE COLUMN RESEARCH COUNCIL 'GUIDE'- DESIGN CRITERIA FOR METAL COMPRESSION MEMBERS* (*K02[illegible]48 001*); 12 MONTHS $7,000

TALL, LAMBERT; *RESIDUAL STRESSES IN THICK WELDED PLATES* (*K028049 X01*); 12 MONTHS $48,800

BEEDLE, LYNN S, AND LU, LE-WU; *U. S. REGIONAL CONFERENCE ON PLANNING AND DESIGN OF TALL BUILDINGS* (*K030923*); 12 MONTHS $45,400

BEEDLE, LYNN S; *PLANNING AND DESIGN OF TALL BUILDINGS* (*K031499 X00*); 12 MONTHS $191,200

BEEDLE, LYNN S; *PLANNING AND DESIGN OF TALL BUILDINGS* (*K031499 X01*); 12 MONTHS $20,700

BEEDLE, LYNN S; *INTERNATIONAL CONFERENCE ON PLANNING AND DESIGN OF TALL BUILDINGS* (*K031847*); 12 MONTHS $98,600

BEEDLE, LYNN S; *CONFERENCE ON STABILITY PROBLEMS OF NOVEL BUILDING SYSTEMS* (*K032318*); 12 MONTHS $6,000

GRAF, WALTER H; *RESERVOIR SEDIMENTATION* (*K034050 X00*); 12 MONTHS $38,000

SIH, GEORGE C-M; *CONFERENCE ON DYNAMIC CRACK PROPAGATION* (*K034757*); 12 MONTHS $3,000

RIVLIN, R S; *NON-LINEAR WAVE PROPAGATION* (*P034740**); 12 MONTHS $30,000

PENNSYLVANIA STATE UNIVERSITY

DEGELMAN, LARRY O, AND WITT, DONALD R; *WEATHER SIMULATION SYSTEM FOR ANNUAL ENERGY ANALYSIS FOR BUILDINGS* (*K031792*); 24 MONTHS $150,000

UNIVERSITY OF PENNSYLVANIA

ABEL, JACOB M; *EXPLICIT SYNTHESIS OF LIAPOUNOV FUNCTIONALS FOR CONTINUOUS SYSTEMS* (*K031072*); 24 MONTHS $33,900

EVANS, NORMAN A; *LOW SPEED SHEAR FLOW AROUND BLUFF BODIES* (*K031182*); 24 MONTHS $61,500

UNIVERSITY OF PITTSBURGH

CHIU, CHAO-LIN; *STOCHASTIC SIMULATION OF FLOWS IN NATURAL STREAMS AND RIVERS* (*K030845*); 24 MONTHS $60,000

RHODE ISLAND

BROWN UNIVERSITY

LIU, J T C; *WAKE INSTABILITY, BREAKDOWN AND TRANSITION* (*K010008 001*); 24 MONTHS $55,700

FINDLEY, W N; *EFFECT OF TEMPERATURE ON NONLINEAR VISCOELASTIC BEHAVIOR* (*K024333*); 24 MONTHS $48,900

DUFFY, JACQUES; *INELASTIC RESPONSE OF METALS TO DYNAMIC BIAXIAL STRESSES* (*K026002 X01*); 12 MONTHS $29,500

KARLSSON, STURE K F; *EXPERIMENTAL STUDIES OF THE STABILITY OF LAMINAR AND TURBULENT FLOWS* (*K030469*); 24 MONTHS $59,400

DUFFY, JACQUES; *VISCOELASTIC PROPERTIES OF HUMAN MUSCLE* (*K034053*); 12 MONTHS $57,300

SOUTH DAKOTA

SOUTH DAKOTA STATE UNIVERSITY

LUMSDAINE, EDWARD; *COMPRESSOR NOISE REDUCTION WITH A SONIC INLET* (*K005030 001*); 24 MONTHS $38,700

TEXAS

RICE UNIVERSITY

AUSTIN, WALTER J; *UNSYMMETRICAL BENDING AND BUCKLING OF ARCHES* (*K034041*); 24 MONTHS $58,000

TEXAS TECH UNIVERSITY

BELL, CLARENCE A; *RESEARCH INITIATION - DYNAMIC CHARACTERISTICS OF PNEUMATIC TIRES* (*K032637*); 18 MONTHS $20,000

MEHTA, KISHOR C, AND MINOR, JOSEPH E; *STUDIES IN WIND ENGINEERING* (*K034015*); 12 MONTHS $61,000

UNIV OF TEXAS AT AUSTIN

BREEN, JOHN E; *BEHAVIOR OF FRAMES WITH CONCRETE COLUMNS OF UNEQUAL STIFFNESS* (*K031069*); 24 MONTHS $75,000

MOORE, WALTER L; *EFFECT OF EFFLUENT AND INFLUENT SEEPAGE ON SEDIMENT MOTION* (*K034046*); 12 MONTHS $22,200

STERN, MORRIS, AND BEDFORD, ANTHONY; *THE MIXTURE THEORY OF COMPOSITE MATERIALS* (*K035055*); 24 MONTHS $41,400

UNIVERSITY OF HOUSTON

WHEELER, LEWIS T, AND NACHLINGER, R RAY; *UNIQUENESS OF SOLUTIONS IN NONLINEAR SOLID MECHANICS* (*K031070*); 24 MONTHS $45,900

HUSSAIN, A K M FAZLE; *RESEARCH INITIATION - THE NEAR FLOW FIELD OF A PLANE TURBULENT JET* (*K032626*); 18 MONTHS $16,000

UNIVERSITY OF ST THOMAS

GOLDMAN, JOSEPH L; *STORM CHARACTERISTICS OF THE LUBBOCK TORNADO* (*K0277[illegible] 001*); $15,534

GOLDMAN, JOSEPH L; *STORM CHARACTERISTICS OF THE LUBBOCK TORNADO* (*K027741 002*); $5,800

UTAH

UNIVERSITY OF UTAH

FOLIAS, E S; *EFFECT OF THICKNESS IN FRACTURE MECHANICS* *K034042*); 12 MONTHS $25,000

VIRGINIA

OLD DOMINION UNIVERSITY

BASS, BENNETT R; *RESEARCH INITIATION-THE DYNAMIC FOUNDATION OF GIBB'S INSTABILITY CRITERION* (*K032619*); 18 MONTHS $16,000

UNIVERSITY OF VIRGINIA

JACOBSON, IRA D; *RESEARCH INITIATION - ATMOSPHERIC SURFACE LAYER SIMULATION* (*K032621*); 18 MONTHS $16,000

VIRGINIA POLYTECHNIC INSTITUTE

FUREY, MICHAEL J; *SOURCES OF FRICTION AND WEAR BETWEEN SOLIDS IN RELATIVE MOTION* (*K031079*); 24 MONTHS $41,500

TELIONIS, DEMETRIOS P; *RESEARCH INITIATION-THE BOUNDARY-LAYER* (*K032622*); 18 MONTHS $15,700

WASHINGTON

UNIVERSITY OF WASHINGTON

HENNES, R G; *INTERNATIONAL CONFERENCE ON MICROZONATION* (*K033312**); 12 MONTHS $14,000

MATTOCK, ALAN H; *SHEAR TRANSFER IN REINFORCED CONCRETE* (*K033842 X00*); 12 MONTHS $46,400

WASHINGTON STATE UNIVERSITY

FLECHSIG, ALFRED J JR; *RESEARCH INITIATION - A DECISION-MAKING MECHANISM FOR HOUSING* (*K032630*); 8 MONTHS $20,000

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

KESSEL, PHILIP G; *DYNAMIC RESPONSE OF ROTATING CIRCULAR CYLINDRICAL SHELLS* (*K025805*); 24 MONTHS $41,700

UICKER, JOHN J JR, AND LIVERMORE, DONALD F; *ANALYSIS OF MECHANISMS BY MATRIX METHODS* (*K034784*); 12 MONTHS $5,900

WYOMING

UNIVERSITY OF WYOMING

RANDLES, PHILIP W; *RESEARCH INITIATION-THE IMPULSIVE RESPONSE OF LAMINATES* (*K032648*); 18 MONTHS $15,800

EVERS, JOHN F; *RESEARCH INITIATION - ELECTRIC LOG EVALUATION OF FRESH WATER AQUIFERS IN THE CENTRAL ROCKY MOUNTAINS* (*K032646*); 18 MONTHS $14,600

ELECTRICAL SCIENCES AND ANALYSIS

ARIZONA

UNIVERSITY OF ARIZONA

KORN, GRANINO A; *ON-LINE ALL-DIGITAL SIMULATION* (*K015224 001*); 12 MONTHS $32,600

HILL, FREDERICK J; *OPTIMAL TESTING OF LARGE SCALE INTEGRATED SEQUENTIAL LOGIC CIRCUITS* (*K029239 X01*); 12 MONTHS $31,300

HAMILTON, DOUGLAS J, AND KERWIN, WILLIAM J; *ELECTROTHERMAL INTEGRATED CIRCUITS* (*K031906*); 24 MONTHS $60,400

JOHNSON, V R, AND TURNER, A F; *INTEGRATED OPTICS IN OPTICAL COMMUNICATION SYSTEMS* (*K033846*); 12 MONTHS $79,400

ARKANSAS

UNIVERSITY OF ARKANSAS

COOK, K R, AND WAITE, W P; *MICROWAVE SYSTEMS FOR REMOTELY MEASURING ECOLOGICAL PARAMETERS* (*K031515*); 24 MONTHS $52,600

COOK, K R, AND WAITE, W P; *MICROWAVE SYSTEMS FOR REMOTELY MEASURING ECOLOGICAL PARAMETERS* (*K031515 001*); $1,100

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

YARIV, AMNON; *INTEGRATED OPTICAL CIRCUITS USING ION IMPLANTATION* (*K031858*); 24 MONTHS $79,300

GEORGE, NICHOLAS; *REAL-TIME OPTICAL DATA PROCESSING* (*K032456*); 24 MONTHS $61,000

CALIFORNIA STATE UNIVERSITY, SACRAMENTO

CRALL, RICHARD F; *RESEARCH INITIATION - COMPUTER AIDED DESIGN OF DIGITAL SYSTEMS* (*K032714*); 18 MONTHS $19,100

STANFORD UNIVERSITY

VEINOTT, ARTHUR F JR; *DYNAMIC INVENTORY MODELS AND RELATED OPTIMIZATION METHODS* (*K018349 001*); 24 MONTHS $61,100

KAILATH, THOMAS; *INTERNATIONAL SYMPOSIUM ON INFORMATION THEORY* (*K031338*); 12 MONTHS $1,600

GOODMAN, JOSEPH W, AND GRAY, ROBERT M; *HOLOGRAPHIC MEMORIES WITH HIGH INFORMATION EFFICIENCY* (*K031606*); 24 MONTHS $60,000

KAILATH, THOMAS; *CONVOLUTION CODING, ESTIMATION AND DETECTION* (*K031627*); 12 MONTHS $34,600

GRAY, ROBERT M; *RATE DISTORTION APPROACH TO DATA COMPRESSION* (*K031630*); 24 MONTHS $48,200

LUENBERGER, DAVID G; *OPTIMIZATION TECHNIQUES* (*K032870*); 24 MONTHS $64,600

HELLMAN, MARTIN E; *FINITE MEMORY AND BRANCHING RANDOM WALKS* (*K033250*); 12 MONTHS $25,300

WIDROW, BERNARD; *ADAPTIVE CONTROLS WITH BIOMEDICAL APPLICATIONS* (*K033350*); 12 MONTHS $35,300

COVER, THOMAS M; *BROADCAST CHANNELS AND INFORMATION THEORY* (*K034363*); 24 MONTHS $74,400

UNIVERSITY OF CALIFORNIA, BERKELEY

KUH, E S, AND DESOER, C A; *SYSTEM THEORY RESEARCH* (*K010656 X02*); 12 MONTHS $155,000

VAN DUZER, T; *TUNNELING DEVICES AS SUPERCONDUCTING COMPUTER ELEMENTS* (*K031629 X00*); 12 MONTHS $15,000

MULLER, R S; *PIEZOELECTRIC FIELD-EFFECT TRANSDUCERS* (*K032173*); 24 MONTHS $30,400

CHUA, L O; *NONLINEAR NETWORKS AND SYSTEMS* (*K032236*); 24 MONTHS $49,700

JURY, E I; *TWO DIMENSIONAL DIGITAL FILTERS* (*K033347*); 12 MONTHS $25,500

SCHWARZ, S E; *SLOW WAVES AND TRAVELING-WAVE INTERACTIONS IN SEMICONDUCTORS* (*K033849*); 12 MONTHS $19,200

GUSTAFSON, T K; *METAL-OXIDE-METAL DIODES IN OPTICAL COMMUNICATION SYSTEMS* (*K033939*); 24 MONTHS $62,200

UNIVERSITY OF CALIFORNIA, LOS ANGELES

YEH, CAVOUR; *MOVING CHARGED PARTICLES IN COMPLEX MATERIAL MEDIA* (*K028754 X01*); 12 MONTHS $26,000

KARPLUS, W J; *SYSTEM IDENTIFICATION USING HYBRID AND ON-LINE COMPUTATION* (*K031463 X00*); 12 MONTHS $41,200

ARUNKUMAR, SUBRAMANI, AND JACOBSEN, STEPHEN E; *OPTIMAL INVESTMENT IN NETWORKS WITH NONCONVEX COSTS* (*K032791*); 12 MONTHS $26,500

GEOFFRION, ARTHUR M; *OPTIMIZATION OF LARGE SCALE SYSTEMS* (*P026294 001**); 12 MONTHS $11,700

UNIVERSITY OF CALIFORNIA, SAN DIEGO

LOHMANN, ADOLF W; *HOLOGRAPHIC INFORMATION PROCESSING* (*K028543 X01*); 12 MONTHS $41,000

HELSTROM, CARL W; *APPLICATION OF SIGNAL DETECTION THEORY TO OPTICAL COMMUNICATION* (*K033811*); 12 MONTHS $19,300

UNIVERSITY OF SOUTHERN CALIFORNIA

DAVISSON, LEE D; *NONPARAMETRIC AND ADAPTIVE TECHNIQUES IN COMMUNICATIONS* (*K014190 001*); 24 MONTHS $53,100

REED, IRVING S, AND SCHOLTZ, ROBERT A; *DESIGN OF COMMUNICATION SIGNALS* (*K033340*); 12 MONTHS $16,800

NAHI, NASSER E, AND SILVERMAN, LEONARD; *RECURSIVE IMAGE ENHANCEMENT* (*K033416*); 12 MONTHS $40,800

SWORDER, DAVID D; *CONTROL OF DYNAMICAL SYSTEMS WITH RANDOM PARAMETERS* (*K033847*); 12 MONTHS $27,700

COLORADO

COLORADO STATE UNIVERSITY

ALLEN, J L; *INHOMOGENEOUS COUPLED LINE FILTERS* (*K033090*); 24 MONTHS $40,000

UNIVERSITY OF COLORADO

BARNES, FRANK; *A WORKSHOP ON NON-IONIZING RADIATION* (*K029134 001*); $4,200

HOROWITZ, ISAAC; *DESIGN OF SYSTEMS WITH LARGE PARAMETER IGNORANCE* (*K033485*); 12 MONTHS $47,100

CONNECTICUT

UNIVERSITY OF CONNECTICUT

COHEN, ARNON; *RESEARCH INITIATION - TRANSIENT RESPONSE OF ION SELECTIVE ELECTRODES* (*K032687*); 18 MONTHS $16,000

YALE UNIVERSITY

MORSE, A STEPHEN; *ADVANCED STUDIES OF LARGE SCALE AUTOMATIC CONTROL SYSTEMS* (*K030008*); 12 MONTHS $13,000

MIFFLIN, ROBERT B; *RESEARCH INITIATION - NONLINEAR PROGRAMMING* (*K032710*); 18 MONTHS $16,000

DISTRICT OF COLUMBIA

GEORGE WASHINGTON UNIVERSITY

PICKHOLTZ, RAYMOND L; *MODELS AND ANALYSIS OF DATA NETWORKS* (*K033352*); 12 MONTHS $24,000

GEORGIA

GEORGIA INSTITUTE OF TECHNOLOGY

KAMEN, EDWARD W; *RESEARCH INITIATION - LINEAR TIME-VARYING SYSTEMS* (*K032697*); 18 MONTHS $16,000

BROWN, JAMES E III; *RESEARCH INITIATION - STOCHASTIC APPROXIMATION ALGORITHMS* (*K032699*); 18 MONTHS $16,000

HAWAII

UNIVERSITY OF HAWAII

LIN, SHU, AND WELDON, E J; *PROBLEMS IN ERROR CORRECTING CODES* (*K025128 001*); $17,000

ILLINOIS

ILLINOIS INSTITUTE OF TECHNOLOGY

COSTELLO, DANIEL J JR; *CONVOLUTION CODES FOR ERROR CONTROL* (*K033845*); 14 MONTHS $28,100

NORTHWESTERN UNIVERSITY

PIERSKALLA, WILLIAM P; *POLICY STUDIES FOR PERISHABLE INVENTORIES* (*K024792 001*); 12 MONTHS $21,500

VAN NESS, JAMES E; *LARGE SCALE DYNAMIC SYSTEMS* (*K033890**); 24 MONTHS $40,000

UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE

SANATHANAN, C K; *SIMULATION OF DISTRIBUTED PARAMETER AND NONLINEAR SYSTEMS* (*K031857*); 24 MONTHS $38,700

UNIVERSITY OF ILLINOIS AT URBANA

SAH, CHIH-TANG; *CIRCUIT MODELS OF SEMICONDUCTOR DEVICES* (*K030285*); 24 MONTHS $67,700

TRICK, TIMOTHY N; *STEADY STATE ANALYSIS OF NONLINEAR CIRCUITS* (*K031688*); 24 MONTHS $41,900

LO, Y T, AND LEE, S W; *CORRUGATED WAVEGUIDES AND HORNS FOR PRODUCING CIRCULARLY POLARIZED WAVES* (*K031791*); 24 MONTHS $30,800

GADDY, O L; *DYNAMIC CROSSED-FIELD PHOTOMULTIPLIER* (*K032869*); 24 MONTHS $40,000

MITTRA, RAJ, AND LEE, SHUNG-WU; *COMMUNICATIONS IN HIGH SPEED GROUND TRANSPORTATION SYSTEMS* (*K033735*); 24 MONTHS $40,000

INDIANA

AMERICAN AUTOMATIC CONTROL COUNCIL

MCRUER, DUANE T; *SPECIALIZED WORKSHOPS ON PATTERN AND CHARACTER INFORMATION PROCESSING* (*K034490*); 12 MONTHS $49,400

PURDUE UNIVERSITY

NEWHOUS, V L, AND GUNSHOR, R L; *MICROWAVE SOLID STATE DEVICE RESEARCH* (*K011958 001*); 12 MONTHS $28,100

LEON, B J; *PROBLEMS IN NONLINEAR CIRCUITS AND SYSTEMS* (*K024930 001*); $5,100

VEMURI, V; *INITIAL-VALUE METHODS FOR PROBLEM-ORIENTED LANGUAGES* (*K031[illegible]86*); 12 MONTHS $26,400

BASS, STEVEN C; *RESEARCH INITIATION - MODELLING OF HYSTERESIS PHENOMENA* (*K032696*); 18 MONTHS $16,000

HUGHES, GEORGE W, AND LI, KUNG-PU; *STATISTICAL TECHNIQUES IN SPEECH SIGNALS* (*K034728*); 24 MONTHS $74,800

UNIVERSITY OF NOTRE DAME

LIU, RUEY-WEN AND SAEKS, RICHARD; *LARGE-SCALE DYNAMICAL SYSTEMS* (*K031808*), 24 MONTHS $57,500

IOWA

IOWA STATE UNIVERSITY OF SCIENCE & TECHNOLOGY

MICHEL, ANTHONY N; *STABILITY OF INTERCONNECTED SYSTEMS* (*K033739*); 24 MONTHS $37,800

UNIVERSITY OF IOWA

CHYUNG, DONG H; *CONTROL SYSTEMS WITH TIME DELAYS* (*K031628*); 12 MONTHS $21,000

KANSAS

KANSAS STATE UNIVERSITY

LEE, E STANLEY; *INVARIANT IMBEDDING AND QUASILINEARIZATION IN ENGINEERING SYSTEMS* (*K026212 X02*); 12 MONTHS $24,600

CASEY, KENDAIL F JR; *ELECTROMAGNETIC WAVE PROPAGATION STUDIES* (*K031315*), 12 MONTHS $17,300

UNIVERSITY OF KANSAS

FUNG, ADRIAN K, AND MOORE, RICHARD K; *SCATTERING FROM KNOWN ROUGH SURFACES* (*K033092*); 24 MONTHS $40,000

MAINE

UNIVERSITY OF MAINE, ORONO

KAZMERSKI, LAWRENCE L; *RESEARCH INITIATION - THIN FILM ENVIRONMENTAL DETECTOR* (*K032691*); 18 MONTHS $16,000

MARYLAND

JOHNS HOPKINS UNIVERSITY

DAVIDSON, FRIDERIC; *DIGITAL CAMERA* (*K034083*); 12 MONTHS $12,500

UNIVERSITY OF MARYLAND, COLLEGE PARK

HARGER, ROBERT O; *COMMUNICATION THEORY FOR OPTICAL COMMUNICATION SYSTEMS* (*K01[illegible] 001*); 12 MONTHS $31,300

NEWCOMB, ROBERT W; *INTERNATIONAL FILTER SYMPOSIUM* (*K031624*); 12 MONTHS $14,900

HARGER, ROBERT O; *WORKSHOP IN OPTICAL COMMUNICATION SYSTEMS* (*K032172*) 12 MONTHS $15,000

EPHREMIDES, ANTHONY; *RESEARCH INITIATION - DETECTION AND ESTIMATION OF STOCHASTIC SIGNALS IN NOISE* (*K032709*); 18 MONTHS $15,900

MASSACHUSETTS

HARVARD UNIVERSITY

HO, YU-CHI; *GENERALIZED CONTROL THEORY* (*K031511*); 24 MONTHS $54,200

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

GOULD, LEONARD A; *CONTROL OF LARGE SCALE AND DISTRIBUTED PARAMETER SYSTEMS* (*K025781 002*); 12 MONTHS $74,600

OPPENHEIM, ALAN V; *DIGITAL PROCESSING OF SIGNALS* (*K031353*), 24 MONTHS $69,000

NEVINS, JAMES L; *ADVANCED AUTOMATION* (*K034094*); 12 MONTHS $53,800

UNIVERSITY OF MASSACHUSETTS, AMHERST

MCINTOSH, R I; *COMMUNICATION WITH HIGH SPEED TRAINS* (*K033091*); 24 MONTHS $35,500

HILL, F S; *ANALYSIS OF DIGITAL COMMUNICATION SYSTEMS* (*K034756*); 12 MONTHS $29,900

HARVARD UNIVERSITY-HARVARD MEDICAL SCHOOL

BURKE, JOHN F, AND STROKE, GEORGE W; *WHITE-LIGHT 3-D MICROSCOPY PATTERN RECOGNITION* (*K025997 001*); 12 MONTHS $34,900

MICHIGAN

MICHIGAN STATE UNIVERSITY

SIEGEL, MARVIN; *RESEARCH INITIATION - ELECTROMAGNETIC PROBING IN ECOLOGICAL AND BIOLOGICAL MEDIA* (*K032638*); 18 MONTHS $16,000

OAKLAND UNIVERSITY

FALKENBURG, DONALD R; *RESEARCH INITIATION - OPTIMAL CONTROL OF THE HUMAN POPULATION* (*K032703*); 18 MONTHS $16,000

UNIVERSITY OF MICHIGAN

POWERS, W F; *SINGULAR OPTIMIZATION PROBLEMS* (*K030115*); 24 MONTHS $37,900

KAZDA, LOUIS F, AND ZADEH, LOTFI; *WORKSHOP ON NEW DIRECTIONS IN SYSTEMS SCIENCE AND ENGINEERING - THEORY AND PRACTICE* (*K031312*); 12 MONTHS $15,000

LEITH, EMMETT N, AND UPATNIEKS, JURIS; *INVESTIGATION OF COHERENT IMAGING SYSTEMS* (*K031474*); 24 MONTHS $58,500

LEITH, EMMETT N, AND ANSLEY, DAVID A; *RESOLUTION ENHANCEMENT OF TRANSMISSION ELECTRON MICROGRAPHS* (*K031635*); 24 MONTHS $49,900

KHAN, PETER J; *WAVEGUIDE SOLID STATE CIRCUIT DESIGN* (*K032370*); 24 MONTHS $30,000

MINNESOTA

UNIVERSITY OF MINNESOTA

VAN DER ZIEL, A; *NOISE IN TYPE II SUPERCONDUCTORS* (*K032301*); 12 MONTHS $28,200

UNIVERSITY OF MINNESOTA-INSTITUTE OF TECHNOLOGY

ROBBINS, WILLIAM P; *RESEARCH INITIATION - FREQUENCY-SELECTIVE LIMITER USING PIEZOELECTRIC SURFACE WAVES* (*K032690*); 18 MONTHS $16,000

MISSISSIPPI

UNIVERSITY OF MISSISSIPPI

WILTON, DONALD R; *RESEARCH INITIATION - SOLUTION OF ELECTROMAGNETIC PROBLEMS INVOLVING PERFECTLY CONDUCTING OBJECTS* (*K032611*); 18 MONTHS $15,200

MISSOURI

UNIVERSITY OF MISSOURI, ROLLA

TRACEY, JAMES H; *INTERACTIVE DESIGN OF DIGITAL SYSTEMS* (*K034076*); 24 MONTHS $58,900

WASHINGTON UNIVERSITY

ZABORSZKY, JOHN; *NONLINEAR CONTROL AND INFORMATION* (*K022905 001*); 12 MONTHS $50,600

CHANG, WILLIAM S C, AND WEIL, RAOUL B; *GUIDED WAVE DEVICES* (*K031854*); 24 MONTHS $80,000

SNYDER, DONALD L; *INFORMATION PROCESSING FOR DOUBLY-STOCHASTIC POISSON PROCESSES* (*K032239*); 24 MONTHS $40,700

UBHAYA, VASANT A; *RESEARCH INITIATION - ISOTONIC OPTIMIZATION* (*K032712*); 18 MONTHS $16,000

NEBRASKA

UNIVERSITY OF NEBRASKA AT LINCOLN

BAHAR, EZEKIEL; *ELECTROMAGNETIC FIELDS IN INHOMOGENEOUS MEDIA* (*K031024*); 24 MONTHS $42,000

NEW YORK

CLARKSON COLLEGE OF TECHNOLOGY

PERREAULT, DAVID A; *DECOUPLING REAL NONLINEAR FUNCTIONAL EQUATIONS* (*K032542*); 12 MONTHS $27,000

COLUMBIA UNIVERSITY

WING, OMAR; *DISTRIBUTED PARAMETER NETWORK* (*K031462 X00*); 12 MONTHS $41,000

LIN, JIGUAN; *RESEARCH INITIATION - COOPERATIVE CONTROL OF DYNAMIC SYSTEMS* (*K032701*); 18 MONTHS $16,000

CORNELL UNIVERSITY

FINE, TERRENCE L; *PATTERN CLASSIFICATION AND PREDICTION* (*K026054 X01*); 12 MONTHS $20,000

CARLIN, H J, AND KU, W H; *APPLICATION OF BROADBAND TECHNIQUES TO CIRCUIT DESIGN* (*K031012 X00*); 12 MONTHS $60,100

BERGER, TOBY; *RATE DISTORTION THEORY FOR SOURCES WITH MEMORY* (*K032240*); 24 MONTHS $95,600

NEMHAUSER, GEORGE; *OPTIMAL SET COVERING* (*K032282 X00**); 12 MONTHS $10,500

TANG, C L, AND BALLANTYNE, JOSEPH M; *BULK AND INTEGRATED NONLINEAR AND ACTIVE OPTICAL DEVICES* (*K033848*); 24 MONTHS $120,000

INSTITUTE OF ELECTRICAL & ELECTRONIC ENGRS INC

SODERMAN, ROBERT A; *1972 CONFERENCE ON PRECISION ELECTROMAGNETIC MEASUREMENTS* (*K031500*); 12 MONTHS $2,000

NEW YORK UNIVERSITY

HERBACH, LEON; *AVAILABILITY AND RELIABILITY OF COMPLEX EQUIPMENT* (*K03[illegible]958*); 24 MONTHS $66,900

POLYTECHNIC INSTITUTE OF BROOKLYN

FELSEN, LEOPOLD B; *DIFFRACTION IN WAVEGUIDES AND RESONATORS* (*K010917 001*); 28 MONTHS $61,400

SCHWARTZ, MISCHA, AND BOORSTYN, ROBERT R; *DIGITAL TECHNIQUES IN SIGNAL PROCESSING* (*K031469*); 24 MONTHS $70,000

SCHWARTZ, MISCHA; *DIGITAL TECHNIQUES IN SIGNAL PROCESSING* (*K031469 001*); $10,200

SILBER, LEO M; *IMPROVED MICROWAVE DEVICES* (*K031632*); 24 MONTHS $60,000

BONGIORNO, JOSEPH J JR, AND YOULA, DANTE C; *THE DESIGN OF CONTROL SYSTEMS FOR LINEAR TIME-INVARIANT MULTIVARIABLE PROCESSES* (*K031959*); 24 MONTHS $80,500

MATTHEWS, JAMES W; *RESEARCH INITIATION - SHAPING FM POWER SPECTRA THROUGH DISPERSAL TECHNIQUES* (*K032688*); 18 MONTHS $16,000

CASSARA, FRANK A; *RESEARCH INITIATION - INTERNCHANNEL INTERFERENCE IN FM THRESHOLD EXTENSION RECEIVERS* (*K032689*); 18 MONTHS $16,000

ADAMOWICZ, MICHAEL; *RESEARCH INITIATION - CONSTRAINED CLUSTERING PROBLEMS* (*K032713*); 18 MONTHS $16,000

DRENICK, R F, AND DORATO, P; *CONTROL OF LINEAR POLYSYSTEMS* (*K034179*); 12 MONTHS $26,500

TAMIR, THEODOR, AND BERTONI, HENRY L; *ELASTIC-WAVE BEAM PROPAGATION AND SCATTERING* (*K034729*); 24 MONTHS $75,200

RENSSELAER POLYTECHNIC INSTITUTE

TIERSTEN, HARRY F; *ELECTROMAGNETIC EFFECTS IN DEFORMABLE SOLID CONTINUA* (*K011195 001*), 12 MONTHS $26,300

GHANDHI, SORAB K; *ELECTRONIC FUNCTION SYNTHESIS* (*K031332 X00*); 12 MONTHS $23,500

DICESARE, FRANK; *RESEARCH INITIATION - MODELLING THE DYNAMIC-RESIDENTIAL GROWTH OF AN URBAN AREA* (*K032698*); 18 MONTHS $16,000

ROCHESTER INSTITUTE OF TECHNOLOGY

RHODY, HARVEY E; *RESEARCH INITIATION - SPEECH COMPRESSION BY SEGMENT CODING* (*K032707*); 18 MONTHS $19,800

STATE UNIVERSITY AT BUFFALO

SCOTT, PETER D; *RESEARCH INITIATION - OPTIMAL CHEBYSHEV REGULATION* (*K032705*); 18 MONTHS $16,000

STATE UNIVERSITY AT STONY BROOK

CHANG, SHELDON S L; *MULTISTAGE DECISION PROCESSES USING FUZZY DYNAMIC PROGRAMMING* (*K016017 001*); 12 MONTHS $10,100

DUNCAN, TYRONE E; *STOCHASTIC PROBLEMS IN COMMUNICATION AND CONTROL* (*K032136*); 12 MONTHS $15,400

STROKE, GEORGE W; *FUNDAMENTAL STUDIES IN ENGINEERING OPTICS* (*K033820 X00*); 12 MONTHS $67,500

SYRACUSE UNIVERSITY

HARRINGTON, ROGER F; *MATRIX METHODS FOR ELECTROMAGNETIC FIELD COMPUTATIONS* (*K004227 002*); 24 MONTHS $52,000

RUDOLPH, LUTHER D; *SEQUENTIAL CODE REDUCTION* (*K034915*); 24 MONTHS $60,000

UNITED ENGINEERING TRUSTEES

PRESTON, KENDALL JR, AND FU, K S, *CONFERENCE ON PATTERN INFORMATION PROCESSING* (*K031955*); 12 MONTHS $16,000

PRESTON, KENDALL JR; *CONFERENCE ON AUTOMATIC CYTOLOGY* (*K033737*); 12 MONTHS $6,900

UNIVERSITY OF ROCHESTER

STREIFER, WILLIAM; *GUIDANCE AND GENERATION OF OPTICAL RADIATION* (*K031032*); 12 MONTHS $34,200

NEW YORK UNIVERSITY-UNIVERSITY HEIGHTS CENTER

RUDD, MICHAEL J; *RESEARCH INITIATION - ACOUSTIC DOPPLER RADAR* (*K032660*); 18 MONTHS $16,000

POLYTECHNIC INSTITUTE OF BROOKLYN-GRADUATE CENTER

OLINER, ARTHUR A; *ACOUSTIC SURFACE WAVEGUIDES* (*K033994*); 12 MONTHS $45,000

NORTH CAROLINA

NORTH CAROLINA STATE UNIVERSITY AT RALEIGH

ELMAGHRABY, SALAH E; *THEORY OF SCHEDULING AND ACTIVITY NETWORKS* (*K032543*); 24 MONTHS $51,000

OHIO

CASE WESTERN RESERVE UNIVERSITY

BLANKENSHIP, GILMER L; *RESEARCH INITIATION - ESTIMATION IN NONLINEAR STATE SPACE* (*K03270[illegible]*); 18 MONTHS $16,000

SHAPIRO, JEFFREY H; *SPATIAL COMMUNICATION THEORY FOR THE TURBULENT ATMOSPHERE* (*K033812*); 24 MONTHS $36,100

OHIO STATE UNIVERSITY

GARBACZ, ROBERT J; *CHARACTERISTIC MODE THEORY APPLIED TO ANTENNA ARRAYS* (*K033938*); 12 MONTHS $35,300

PEAKE, WILLIAM H; *RADIOMETER ANTENNAS* (*K0339[illegible]*); 12 MONTHS $45,800

RUDDUCK, ROGER C; *INVESTIGATION OF APERTURE NEAR FIELD PHENOMENA* (*K033995*); 12 MONTHS $23,000

OKLAHOMA

OKLAHOMA STATE UNIVERSITY

HADY, M ABDEL; *REMOTE SENSING APPLICATIONS TO AGRICULTURE AND REGIONAL DEVELOPMENT PROJECTS* (*F031866**); 12 MONTHS $2,520

HADY, M ABDEL, AND MUSTAFA, HASAN; *APPLICATIONS OF MODERN AIRBORNE REMOTE SENSING AND AERIAL RECONNAISSANCE TECHNIQUES TO AGRICULTURE AND REGIONAL DEVELOPMENT* (*F031866 001**); 12 MONTHS $3,000

MULHOLLAND, R J; *EXPONENTIAL REPRESENTATIONS OF LINEAR PHYSICAL SYSTEMS* (*K034084*); 24 MONTHS $34,600

UNIVERSITY OF TULSA

BEDNAR, J BEE; *TWO-DIMENSIONAL RECURSIVE DIGITAL FILTERS* (*K034763*); 12 MONTHS $25,600

OREGON

OREGON STATE UNIVERSITY

MOHLER, RONALD R; *BILINEAR CONTROL PROCESSES* (*K033249*); 12 MONTHS $11,000

PENNSYLVANIA

CARNEGIE-MELLON UNIVERSITY

LEE, SING H, AND JORDAN, A G; *ALL-OPTICAL ANALOG COMPUTATION* (*K031801*); 24 MONTHS $47,000

LEE, SING H; *ALL-OPTICAL ANALOG COMPUTATION* (*K031801 001*); 12 MONTHS $3,800

KORTANEK, KENNETH O; *NUMERICAL ASPECTS OF POLLUTION ABATEMENT* (*K031833**); 24 MONTHS $20,100

REICHERT, T A; *INFORMATION STORED IN SHORT CODE SEQUENCES* (*K033733*); 24 MONTHS $45,500

UNIVERSITY OF PITTSBURGH

VOGT, WILLIAM G, AND MICKLE, MARLIN H; *OPTIMAL ESTIMATION AND CONTROL OF DYNAMIC SYSTEMS* (*K032237*); 24 MONTHS $60,000

RHODE ISLAND

BROWN UNIVERSITY

LASALLE, J P, AND KUSHNER, H J; *THEORY OF SYSTEMS WITH EMPHASIS ON COMPUTATIONAL PROBLEMS* (*K03[illegible]073 X00**); 12 MONTHS $35,000

BOLLE, DONALD M; *THEORETICAL AND NUMERICAL INVESTIGATION OF MICROWAVE AND MILLIMETER WAVE COMPONENT STRUCTURES* (*K031591*); 24 MONTHS $78,900

UNIVERSITY OF RHODE ISLAND

MOFFETT, MARK B; *RESEARCH INITIATION - PARAMETRIC SOURCES OF TRANSIENT SIGNALS* (*K032664*); 18 MONTHS $19,700

TENNESSEE

VANDERBILT UNIVERSITY

WELLS, FRANCIS M; *RESEARCH INITIATION - DISCONTINUOUS CONTROL OF ELECTRIC SPACE CONDITIONING PROCESSES* (*K032702*); 18 MONTHS $16,000

TEXAS

RICE UNIVERSITY

KIM, DAE M, TITTLE, FRANK K, AND RABSON, THOMAS A; *COHERENT OPTICAL DEVICES FOR COMMUNICATIONS* (*K033813*); 14 MONTHS $40,000

SOUTHERN METHODIST UNIVERSITY

SAGE, ANDREW P; *SYSTEM IDENTIFICATION IN LARGE SCALE SYSTEMS* (*K033348*); 12 MONTHS $35,200

TEXAS TECH UNIVERSITY

LIBERTY, STANLEY R; *RESEARCH INITIATION - STOCHASTIC LINEAR REGULATION* (*K032704*); 18 MONTHS $16,000

UNIV OF TEXAS AT AUSTIN

AGGARWAL, J K; *REAL-TIME VISUAL RECOGNITION BY DIGITAL COMPUTER* (*K032595 X00**); 12 MONTHS $12,500

UNIVERSITY OF HOUSTON

ANDERSON, WALLACE L; *OPTICAL PATTERN RECOGNITION (K031631)*; 24 MONTHS $49,600

SHEN, LIANG-CHI; *YAGI ARRAY OF DIPOLES AND YAGI ARRAY OF LOOPS (X032133)* 24 MONTHS $41,600

VIRGINIA

UNIVERSITY OF VIRGINIA

MCVEY, EUGENE S, AND PARRISH, EDWARD A; *IMAGE PROCESSING FOR AUTOMATION (K032238)*; 24 MONTHS $92,100

WASHINGTON

UNIVERSITY OF WASHINGTON

HARRIS, JAY H; *OPTICAL THIN FILM TECHNIQUES (K010319 001)*; 12 MONTHS $30,400

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

NORDMAN, J E, PARMENTIER, R D, AND SCOTT, A C; *SUPERCONDUCTIVE INFORMATION PROCESSING SYSTEMS (K012502 008)*; 12 MONTHS $40,000

REDINBO, G ROBERT; *RESEARCH INITIATION - OPTIMUM BLOCK AND CONVOLUTIONAL CODES (K032706)*; 18 MONTHS $16,000

KIME, C R; *DIAGNOSTIC SYSTEMS FOR DIGITAL NETWORKS (K035037)*; 24 MONTHS $49,000

UNIVERSITY OF WISCONSIN, MILWAUKEE

DAVIDA, GEORGE I; *RESEARCH INITIATION - CODING OF GRAPHS (K032708)*; 18 MONTHS $16,000

SPECIAL ENGINEERING PROJECTS

CALIFORNIA

UNIVERSITY OF CALIFORNIA, BERKELEY

SAKRISON, D J; *STUDY OF THE HUMAN VISUAL SYSTEM ([illegible]1422)*; 12 MONTHS $30,000

LEWI[illegible] E R; *THEORETICAL AND EXPERIMENTAL STUDY IN NEUROPHYSIOLOGY (K031427)*; 12 MONTHS $29,800

UNIVERSITY OF CALIFORNIA, LOS ANGELES

LYMAN, JOHN; *REFLEX CONTROL FOR ARTIFICIAL LIMBS (K032790)*; 12 MONTHS $36,200

UNIVERSITY OF CALIFORNIA, SAN DIEGO

ZWEIFACH, B W, AND FUNG, Y C; *FLOW AND EXCHANGE IN SMALL BLOOD VESSELS (K031160 X00)*; 30 MONTHS $30,000

DISTRICT OF COLUMBIA

AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES

OLIVE, JOHN R; *INTERNATIONAL WORKSHOP SERIES ON BIOMEDICAL ENGINEERING (K029899 X01)*; 18 MONTHS $95,600

NATIONAL ACADEMY OF ENGINEERING

BINNS, K B; *APPLICATION OF TECHNOLOGY TO IMPROVE PRODUCTIVITY IN THE SERVICE SECTOR OF THE NATIONAL ECONOMY (C310223)*; 12 MONTHS $20,000

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

CLIFFE, ROBERT A; *PUBLICATION AND DISTRIBUTION OF THE PROCEEDINGS OF THE THIRTEENTH GENERAL CONGRESS OF THE INSTITUTE OF REFRIGERATION (C310205 001*)*; $3,200

FLORIDA

FLORIDA TECHNOLOGICAL UNIVERSITY

WANIELISTA, MARTIN P; *RESEARCH INITIATION - OPERATING MODELS FOR WATER TREATMENT PLANTS (K032652)*; 18 MONTHS $16,000

UNIVERSITY OF FLORIDA

HUBER, WAYNE C, AND HEANEY, JAMES P; *DATA ACQUISITION AND MANAGEMENT FOR WATER QUALITY CONTROL (K034232)*; 12 MONTHS $40,300

UNIVERSITY OF FLORIDA-ENGINEERING & INDUSTRIAL EXPERIMENT STATION

PYATT, E E; *METHODOLOGY FOR RATIONAL FLOODPLAIN MANAGEMENT (K030829)*; 12 MONTHS $5,600

GEORGIA

GEORGIA INSTITUTE OF TECHNOLOGY

STRAHLE, W[illegible]N C; *COMBUSTION GENERATED NOISE (K032544)*; 24 MONTHS $27,[illegible]

NUNNA[illegible]Y N; *RESEARCH INITIATION - ELECTRICAL STIMULATION [illegible] PERIPHERAL AUDITORY SYSTEM (K032653)*; 18 MONTHS [illegible]

HAWAII

UNIVERSITY OF HAWAII

WATANABE, MICHAEL S; *1972 HAWAII INTERNATIONAL CONFERENCE ON SYSTEM SCIENCES (HICSS-5) (K031966)*; 12 MONTHS $5,400

INDIANA

PURDUE UNIVERSITY

CROCKER, MALCOLM J; *CONTROLLING THE NOISE RADIATED FROM DIESEL ENGINES (K032011)*; 24 MONTHS $48,800

UNIVERSITY OF NOTRE DAME

SHARPE, DAVID R; *RESEARCH INITIATION - DIGITAL ANALYSIS AND CATEGORIZATION OF ELECTROENCEPHALOGRAMS (K032694)*; 18 MONTHS $16,000

LOUISIANA

TULANE UNIVERSITY-SCHOOL OF MEDICINE

LIU, Y KING; *THE STRUCTURAL BIOMECHANICS OF THE HUMAN SPINE (K032047)*; 24 MONTHS $79,900

MASSACHUSETTS

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

MANN, ROBERT W; *ELECTROMYOGRAPHIC ACTIVATED PROSTHESIS (K031230)*; 24 MONTHS $60,000

EDEN, MURRAY; *PATTERN RECOGNITION OF CONVENTIONAL SYMBOL SYSTEMS (K033736 X00)*; 12 MONTHS $71,000

MASSACHUSETTS SCIENCE & TECHNOLOGY FOUNDATION

BARTON, ROBERT S; *TECHNOLOGY EXCHANGE (T000019 001*)*; 12 MONTHS $30,000

MICHIGAN

MICHIGAN STATE UNIVERSITY

HATFIELD, FRANK J; *RESEARCH INITIATION - SIMULATION OF TRAFFIC FLOW TO MINIMIZE INDIVIDUAL TIME (K032641)*; 18 MONTHS $16,000

WAYNE STATE UNIVERSITY

SINGH, TRILOCHAN; *RESEARCH INITIATION - EFFECT OF AMBIENT AEROSOL CONCENTRATIONS ON PARTICULATE EMISSION FROM SPARK IGNITION ENGINES (K032644)*; 18 MONTHS $16,000

NEW MEXICO

UNIVERSITY OF NEW MEXICO

HOUGHTON, ARTHUR V; *ELEVENTH ANNUAL CONFERENCE ON THERMAL CONDUCTIVITY (K030583)*; 12 MONTHS $3,300

NEW YORK

AMERICAN INSTITUTE OF PHYSICS

JOHNSON, JOHN C; *CONFERENCE ON ACOUSTICS AND SOCIETAL PROBLEMS (K030188)*; 24 MONTHS $30,000

NEW YORK UNIVERSITY

ARNOLD, LEE, SLUTSKY, SIMON, RUDD, MICHAEL J, AND THUMIM, ALFRED; *PREDICTION OF URBAN NOISE DUE TO MOVING OR STATIONARY SOURCES (K033997)*; 12 MONTHS $76,700

POLYTECHNIC INSTITUTE OF BROOKLYN

PAPOULIS, ATHANASIOS; *SIGNAL ANALYSIS IN HEART X-RAYS (K031033)*; 12 MONTHS $29,900

RICHMOND COLLEGE

WINKLER, LEONARD P; *RESEARCH INITIATION - ADAPTIVE DIGITAL PROCESSING TECHNIQUES FOR HIGHWAY TRANSPORTATION SYSTEMS (K032662)*; 18 MONTHS $14,900

ROCHESTER INSTITUTE OF TECHNOLOGY

LEE, ROBERT E; *LATENCY TO DILATION IN THE HUMAN VISLA. SYSTEM (K004393 001)*; $4,700

STATE UNIVERSITY AT BUFFALO

MATES, ROBERT E; *MODELING OF THE CARDIOVASCULAR SYSTEM (K031905)*; 24 MONTHS $51,400

STATE UNIVERSITY AT STONY BROOK

STROKE, GEORGE W, PELLEGRINO, EDMUND D, GABOR, DENNIS, GOLDMARK, PETER C, AND BAUER, BEN; *SONO-RADIOGRAPHY (K028302 001)*; 18 MONTHS $150,000

UNIVERSITY OF ROCHESTER

DUNN, H SEARL; *AUTOMOTIVE PROPULSION SYSTEM (K030096)*; 12 MONTHS $31,500

DUNN, H SEARL; *AUTOMOTIVE PROPULSION SYSTEM (K0[illegible]96 001)*; $10,100

NORTH CAROLINA

NORTH CAROLINA STATE UNIVERSITY AT RALEIGH

EL-SHIEKH, ALY H; *SNAG BEHAVIOR OF KNIT FABRIC* (K032012); 24 MONTHS $60,200

OHIO

OHIO STATE UNIVERSITY

NEREM, ROBERT M; *FLUID MECHANICS PROBLEMS IN ARTERIAL DISEASE* (K031026); 24 MONTHS $75,700

OKLAHOMA

UNIVERSITY OF OKLAHOMA

HOAG, LAVERNE L; *RESEARCH INITIATION - THE ROLE OF PSYCHOLOGICAL STRESS IN JOB SELECTION AND SATISFACTION* (K032645); 18 MONTHS $16,000

PENNSYLVANIA

CARNEGIE-MELLON UNIVERSITY

HUNG, TIN-KAN; *BLOOD FLOW PAST AORTIC HEART VALVES* (K031514); 24 MONTHS $40,000

DREXEL UNIVERSITY

KLAFTER, RICHARD D; *RESEARCH INITIATION - AN OPTIMALLY ENERGIZED CARDIAC PACEMAKER* (K032624); 18 MONTHS $20,000

PENNSYLVANIA STATE UNIVERSITY

MCCARTHY, GREGORY J; *WORKSHOP ON GLASS RESEARCH FOR THE CONTAINER INDUSTRY* (K031372); 6 MONTHS $1,500

TICHY, JIRI; *SOUND POWER MEASUREMENTS IN REVERBERATION CHAMBERS* (K031795); 24 MONTHS $62,100

REETHOF, GERHARD; *ACOUSTICALLY ABSORBENT MATERIALS* (K032584); 12 MONTHS $54,200

UNIVERSITY OF PENNSYLVANIA

BOCKRIS, JOHN O'M, AND BUCK, ERWIN; *ELECTROCHEMICAL ELECTRICITY STORERS* (K016550 001); 12 MONTHS $49,000

CARNEGIE-MELLON UNIVERSITY-CARNEGIE INSTITUTE OF TECHNOLOGY

TOLLE, JOHN E; *SENSITIVITY AND STABILITY IN TRAFFIC STREAM MOVEMENT* (K034431); 18 MONTHS $16,000

TEXAS

TEXAS TECH UNIVERSITY

DUDEK, R A, AND SMITH, M L; *SEQUENCING RESEARCH* (K002869 001); 24 MONTHS $50,000

UNIV OF TEXAS AT ARLINGTON

POTVIN, ALFRED R; *RESEARCH INITIATION - DYNAMIC ANALYSIS OF NORMAL AND PATHOLOGICAL MOTOR CONTROL* (K032630); 18 MONTHS $16,000

UNIV OF TEXAS AT AUSTIN

POPOVICH, ROBERT P; *RESEARCH INITIATION - MASS TRANSFER IN THE ARTIFICIAL KIDNEY SYSTEM* (K032631); 18 MONTHS $16,[illegible]00

HILLERY, HERBERT V; *ACOUSTIC PROPAGATION IN BRANCHED SOLIDS* (K034367); 12 MONTHS $49,500

CLARK, LYLE G, AND DICKERSON, J R; *TRAFFIC STABILITY AND SENSITIVITY* (K034383); 24 MONTHS $40,000

UNIVERSITY OF HOUSTON

SPENCER, DON L; *RESEARCH INITIATION - EFFECTS OF TWO CLASSICAL ASSUMPTIONS ON SEQUENCING/SCHEDULING MAKESPAN* (K032632); 18 MONTHS $16,000

VIRGINIA

UNIVERSITY OF VIRGINIA

DEMETSKY, MICHAEL J; *RESEARCH INITIATION - THE UTILIZATION OF URBAN PASSENGER TRANSIT SYSTEMS FOR COMMODITY TRANSPORT* (K032613); 18 MONTHS $16,000

VIRGINIA POLYTECHNIC INSTITUTE

YU, JASON C, AND WILHELM, WILBERT E JR; *AIR TERMINAL OPERATION SYSTEMS BY GASP SIMULATION* (K03[illegible]325); 24 MONTHS $76,400

WASHINGTON

UNIVERSITY OF WASHINGTON-SCHOOL OF MEDICINE

GUY, ARTHUR W; *MICROWAVE INTERACTION WITH AUDITORY SYSTEMS* (K034730); 12 MONTHS $42,000

BATTELLE MEMORIAL INSTITUTE-BATTELLE NORTHWEST

SIKOV, MELVIN R, AND REID, JOHN M; *WORKSHOP ON INTERACTION OF ULTRASOUND AND BIOLOGICAL TISSUES* (K030871); 12 MONTHS $15,000

WISCONSIN

MARQUETTE UNIVERSITY

SANCES, ANTHONY JR; *WORKSHOP ON THE EFFECTS OF MAGNETIC FIELDS ON COMMUNICATION PROCESSES* (K032586); 12 MONTHS $15,000

UNIVERSITY OF WISCONSIN, MADISON

ROBINSON, GORDON H; *AUTOMOBILE DRIVER CONTROL- ACCIDENT CAUSATION FACTORS* (K034233); 24 MONTHS $33,200

ATMOSPHERIC SCIENCES AND EARTH SCIENCES

ATMOSPHERIC SCIENCES

ALASKA

UNIVERSITY OF ALASKA

HESSLER, V P, AND HEACOCK, R R; *FINNISH - ALASKAN MICROPULSATION STUDIES* (A034280); 12 MONTHS $18,600

UNIVERSITY OF ALASKA-GEOPHYSICAL INSTITUTE

WESCOTT, EUGENE M, AND MURRAY, WALLACE B; *FIELD LINE TRACING WITH BARIUM IONS* (A019265 002); 12 MONTHS $40,400

SHERIDAN, ROGER; *HYDROGEN ATOM EXCITATION DURING IMPACT ON ATMOSPHERIC GASES* (A023859 001); 12 MONTHS $50,600

BATES, HOWARD F; *INCOHERENT SCATTER STUDIES IN THE AURORAL ZONE* (A027640 001); 3 MONTHS $51,200

WENDLER, GERD; *ICE, WATER AND HEAT BALANCE OF THE MCCALL GLACIER, BROOKS RANGE, ALASKA* (A028278 X01); 12 MONTHS $118,900

SWIFT, DANIEL W; *MAGNETIC STORM AND POLAR SUBSTORM PHENOMENA* (A029158 X01); 12 MONTHS $44,800

WILSON, CHARLES R; *AURORAL INFRASONIC WAVES* (A029541 X01); 12 MONTHS $71,400

OHTAKE, TAKESHI, AND JAYAWEERA, K O L F; *FALL VELOCITIES OF SOLID HYDROMETEORS* (A031567); 24 MONTHS $57,500

AKASOFU, AYUN-ICHI; *THE NORTH-SOUTH CHAIN OF GEOPHYSICAL STATIONS IN ALASKA* (A031700); 12 MONTHS $25,500

ROMICK, GERALD J; *PARTICLE PRECIPITATION AND THE TERRESTRIAL ATMOSPHERE* (A031876 X00); 12 MONTHS $92,500

BELON, ALBERT E; *OPTICAL OBSERVATIONS OF THE AURORAS WITH HIGH SPECTRAL AND SPATIAL RESOLUTION* (A032119); 12 MONTHS $20,100

HEACOCK, RICHARD R; *RELATION OF MICROPULSATIONS TO THE PLASMASPHERE, PLASMA TROUGH, AND PLASMA SHEET REGIONS* (A032390); 12 MONTHS $27,100

HEACOCK, RICHARD R; *RELATIONS OF MICROPULSATIONS TO THE PLASMASPHERE, PLASMA TROUGH, AND PLASMA SHEET REGIONS* (A032390 001); 12 MONTHS $3,500

DEGEN, VLADIMIR; *VIBRATIONAL ENHANCEMENT OF NITROGEN EMISSION IN THE QUIET HYDROGEN ARC* (A032500); 12 MONTHS $39,300

BROWN, NEAL B; *SUPPORT OF POKER FLAT RESEARCH FACILITY THROUGH FISCAL YEAR 1972* (A032521); 12 MONTHS $100,000

BROWN, NEAL B; *SUPPORT OF POKER FLAT RESEARCH FACILITY* (A032521 001); $28,000

ONWUMECHILLI, A, AND AKASOFU, S-I; *RELATIONSHIPS BETWEEN THE AURORAL AND EQUATORIAL ELECTROJETS* (A032978); 12 MONTHS $22,400

JAYAWEERA, K O L F, AND OHTAKE, TAKESHI; *FIELD EXPERIMENTS AT MCCALL GLACIER TO DETERMINE THE GROWTH RATE, GROWTH MODE AND BULK DENSITY OF COLUMNAR ICE CRYSTALS* (A033389); 12 MONTHS $40,000

ARIZONA

LOWELL OBSERVATORY

HALL, JOHN S; *SOLAR VARIATION AND ATMOSPHERIC TRANSPARENCY PROGRAM* (A030627 X00); 12 MONTHS $50,200

UNIVERSITY OF ARIZONA

DAWSON, GEORGE A; *CHARGING OF UNCHARGED WATER DROPS IN ELECTRIC FIELDS* (A027351 001); $19,800

REAGAN, JOHN A, AND HERMAN, BENJAMIN M; *LIDAR AND SOLAR RADIOMETER STUDIES OF ATMOSPHERIC AEROSOLS* (A031916 X00); 12 MONTHS $81,500

LAMARCHE, VALMORE C JR; *DENSITOMETRIC ANALYSIS OF ANNUAL RINGS OF TREES- A NEW PALEOCLIMATIC TOOL* (A0332[illegible]9); 24 MONTHS $53,000

GEHRELS, A M J TOM; *PROJECT POLARISCOPE* (P028204 001*); 12 MONTHS $20,000

CALIFORNIA

AEROSPACE CORPORATION

MCPHERSON, DONALD A; *SATELLITE INVESTIGATION IN THE HIGH LATITUDE OUTER MAGNETOSPHERE* (A033284); 12 MONTHS $41,600

CALIFORNIA INSTITUTE OF TECHNOLOGY

ZIRIN, HAROLD; *RESEARCH IN THE CIRCULATION OF THE SOLAR ATMOSPHERE* (*A024015 001*); 12 MONTHS $77,200

ZIRIN, HAROLD; *RESEARCH IN CIRCULATION OF THE SOLAR ATMOSPHERE* (*A024015 002*); 2 MONTHS $11,300

CALIFORNIA STATE UNIVERSITY, SAN JOSE

LESTER, PETER F; *TURBULENCE ZONES IN THE LOWER TROPOSPHERE IN THE LEE OF MOUNTAINS* (*A032403*); 12 MONTHS $23,700

SACRAMENTO CITY COLLEGE

VORPAHL, JOAN; *THE IMPULSIVE PHASE OF FLARES* (*A031587*); 12 MONTHS $11,200

VORPAHL, JOAN; *THE IMPULSIVE PHASE OF FLARES* (*A031587 001*); $1,500

STANFORD RESEARCH INSTITUTE

BATES, HOWARD F; *RADAR LOCATION OF THE AURORAL BELT FROM THE NORTHERN MAGNETIC POLE* (*A016269 002*); $15,500

BATES, HOWARD F AND HODGES, JAMES C; *A PROPOSAL TO OPERATE THE NORTHERN POLAR AURORAL RADAR IN 1971-72* (*A016269 003*); 13 MONTHS $53,300

UTHE, EDWARD E; *LIDAR OBSERVATIONS IN ST. LOUIS* (*A030435*); 6 MONTHS $24,000

SMITH, FELIX T, AND OLSON, RONALD E; *COLLISION SPECTROSCOPY IN DIATOMIC SYSTEMS* (*A033418*); 24 MONTHS $98,600

HAKE, RICHARD D JR, AND VIEZEE, WILLIAM; *MIDDLE AND UPPER ATMOSPHERIC PROBING WITH A TUNABLE LIDAR* (*A033476*); 12 MONTHS $49,700

STANFORD UNIVERSITY

DA ROSA, ALDO V; *COLLECTION AND ANALYSIS OF IONOSPHERIC ELECTRON CONTENT DATA* (*A026101 001*); 12 MONTHS $80,700

DA ROSA, A V; *STUDY OF IONOSPHERIC STORMS* (*A028477 001*); 12 MONTHS $49,000

STREET, ROBERT L, AND HSU, EN YUN; *TRANSPORT PROCESSES ACROSS AN AIR-WATER INTERFACE* (*A028670 X01*); 12 MONTHS $52,200

CROFT, THOMAS A; *REDUCTION AND ANALYSIS OF SOLAR WIND MEASUREMENTS* (*A030352*); 12 MONTHS $36,300

WILCOX, JOHN M; *DYNAMIC OBSERVATIONS OF SOLAR MAGNETIC AND VELOCITY FIELDS* (*A031138*); 12 MONTHS $60,000

CROFT, THOMAS A; *ANALYSIS OF INTERPLANETARY SCINTILLATION* (*A032385*); 12 MONTHS $59,700

HELLIWELL, R A; *VERY LOW FREQUENCY MAGNETOSPHERIC STUDIES* (*A032590 X00*); 12 MONTHS $100,100

BRACEWELL, R N; *MICROWAVE SPECTROHELIOGRAMS* (*A033000*); 12 MONTHS $71,000

WATERMAN, ALAN T JR; *ATMOSPHERIC PROBING USING WAVE PROPAGATION MEASUREMENTS* (*A033183*); 12 MONTHS $70,000

UNIVERSITY OF CALIFORNIA, BERKELEY

MOZER, FORREST; *WORLDWIDE ELECTRIC FIELD MEASUREMENTS ON BALLOONS* (*A033112 X00*); 12 MONTHS $78,500

UNIVERSITY OF CALIFORNIA, LOS ANGELES

SEKERA, ZDENEK, AND RAO, C R NAGARAJA; *INVESTIGATIONS OF ATMOSPHERIC RADIATIVE TRANSFER AND OPTICAL PHENOMENA* (*A016617 001*); 24 MONTHS $95,700

BUSSE, FRIEDRICH H; *ATMOSPHERIC FLUID DYNAMICS* (*A031247*); 12 MONTHS $107,600

SISCOE, GEORGE; *SOLAR WIND STRUCTURE RESEARCH* (*A031842 X00*); 12 MONTHS $50,300

PRUPPACHER, HANS R; *A WIND TUNNEL INVESTIGATION OF MICROPHYSICAL PROCESSES IN ATMOSPHERIC CLOUDS AT TEMPERATURES ABOVE AND BELOW O DEGREES C* (*A032814 X00*); 12 MONTHS $53,400

WURTELE, MORTON G; *ATMOSPHERIC THERMAL VORTICES* (*A033437*); 12 MONTHS $17,100

KENNEL, CHARLES F; *MAGNETIC STORMS* (*A034148 X00*); 12 MONTHS $114,900

UNIVERSITY OF CALIFORNIA, SAN DIEGO

BOOKER, HENRY G, AND RUMSEY, VICTOR H; *RADIOWAVE DIAGNOSTIC STUDIES OF THE EARTH'S PLASMA ENVIRONMENT* (*A020591 001*); 12 MONTHS $127,100

SUESS, HANS E; *SOLAR RELATED SECULAR VARIATION OF THE ATMOSPHERIC CARBON-14 LEVEL* (*A021161 001*); 3 MONTHS $3,800

DOUPNIK, JOE R, BANKS, PETER M, AND AXFORD, W IAN; *BEHAVIOR OF THERMAL PLASMA IN THE IONOSPHERE AND MAGNETOSPHERE* (*A030351*); 12 MONTHS $ 6,700

FEJER, JULES A, BOOKER, HENRY G, AND LEWAK, GEORGE J; *ROLE OF PLASMA INSTABILITIES IN IONOSPHERIC MODIFICATION BY RADIO WAVES* (*A030628*); 12 MONTHS $45,000

DOUPNIK, JOE R; *THE FORMATION AND DYNAMICS OF THE PLASMASPHERE AND PLASMAPAUSE* (*A033254*); 12 MONTHS $38,300

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCRIPPS INSTITUTION OF OCEANOGRAPHY

KEELING, CHARLES D; *THE ABUNDANCE OF CARBON DIOXIDE IN THE ATMOSPHERE AND ITS EXCHANGE WITH THE OCEANS* (*A031324 X00**); 12 MONTHS $156,900

GIBSON, CARL H; *TURBULENT MIXING OF SCALAR FLUID PROPERTIES* (*A031439*); 12 MONTHS $39,400

LOCKHEED AIRCRAFT CORPORATION-LOCKHEED RESEARCH LABORATORY

JOHNSON, RICHARD G; *CONTRACT FOR ANALYSIS OF SATELLITE DATA ON ENERGETIC AURORAL HELIUM IONS* (*C679000*); 24 MONTHS $48,853

COLORADO

COLORADO STATE UNIVERSITY

RASMUSSEN, JAMES L; *HYDROMETEOROLOGICAL RESEARCH* (*A029147 001*); 12 MONTHS $37,800

UNIVERSITY OF COLORADO

REES, MANFRED H, AND RENSE, WILLIAM A; *THEORETICAL PHYSICS OF THE UPPER ATMOSPHERE* (*A016290 001*); 24 MONTHS $101,800

LONDON, JULIUS; *THE DISTRIBUTION OF OZONE AND THE ENERGETICS OF THE ATMOSPHERE* (*A028688 X01*); 12 MONTHS $45,400

HAAS, J EUGENE; *USER NEEDS AND DISSEMINATION REQUIREMENTS FOR ATMOSPHERIC INFORMATION* (*A031298*); 12 MONTHS $49,300

BILLINGS, DONALD E; *TEMPERATURE STRUCTURE OF THE CORONA CLOSE TO THE SUN* (*A031477*); 24 MONTHS $23,700

BLUMEN, WILLIAM; *STABILITY AND ENERGY PARTITION IN STRATIFIED FLUID* (*A031868*); 24 MONTHS $36,600

CHIMONAS, GEORGE, EINAUDI, FRANCO, AND HOOKE, WILLIAM H; *STUDY OF WAVE DYNAMICS IN THE LOWER TROPOSPHERE* (*A032604*); 12 MONTHS $38,200

LAWRENCE, GEORGE M; *DISSOCIATION FRAGMENT SPECTROSCOPY BY UV AND ELECTRONS* (*A033020*); 12 MONTHS $44,200

BARRY, ROGER G; *DOCTORAL DISSERTATION RESEARCH IN METEOROLOGY* (*A033177*); 16 MONTHS $900

BEATY, EARL C; *A STUDY OF SECONDARY ELECTRONS PRODUCED IN ELECTRON IMPACT IONIZATION* (*A033419*); 24 MONTHS $87,800

HART, JOHN E; *THE DYNAMICS OF ROTATING STRATIFIED FLUIDS* (*A034937*); 24 MONTHS $35,000

UNIVERSITY OF DENVER

ROEDERER, JUAN G; *MAGNETOSPHERIC PARTICLE INJECTION AND TRANSFER* (*A034114 X00*); 12 MONTHS $35,500

UNIVERSITY OF DENVER-DENVER RESEARCH INSTITUTE

MURCRAY, DAVID G; *DISTRIBUTION OF NITRIC ACID IN THE STRATOSPHERE* (*A026228 001*); $30,500

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION-ENVIRONMENTAL RESEARCH LABORATORIES

HESS, WILMOT N; *AERONOMICAL RESEARCH AT THE JICAMARCA RADIO OBSERVATORY* (*AG00376*); 12 MONTHS $90,000

CONNECTICUT

CENTER FOR THE ENVIRONMENT AND MAN INC

ATWATER, MARSHALL A; *EFFECTS OF POLLUTANTS ON THE ATMOSPHERIC THERMAL STRUCTURE- A NUMERICAL STUDY* (*A031296*); 12 MONTHS $39,300

YALE UNIVERSITY

REIFSNYDER, WILLIAM E; *QUANTITY AND QUALITY OF INCIDENT LIGHT IN FOREST SUNFLECKS* (*A015017 001*); 6 MONTHS $2,300

WALKER, JAMES C G, AND WICKWAR, VINCENT B; *EXPERIMENTAL STUDIES USING THE INCOHERENT BACKSCATTER AT COLLEGE, ALASKA* (*A032384*); 12 MONTHS $10,200

HERZENBERG, ARVID; *THEORY OF ATMOSPHERIC COLLISION PROCESSES* (*A034112*); 12 MONTHS $33,000

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS* (*04AWDS*); $16,258

CATHOLIC UNIVERSITY OF AMERICA

WHANG, Y C; *MAGNETOHYDRODYNAMIC STRUCTURE OF THE SOLAR WIND* (*A029057 X01*); 12 MONTHS $28,600

CHANG, C C; *DYNAMICS OF ATMOSPHERIC VORTICES - TORNADO, DUST WHIRLS, AND WATERSPOUTS* (*A032017*); 24 MONTHS $60,400

DEPARTMENT OF NAVY-OFFICE OF NAVAL RESEARCH

HAYES, R V; *1972 CHURCHILL SKYHOOK PROGRAM* (*AG00247 001*); 12 MONTHS $85,000

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

SIEVERS, JOHN R; *COMMITTEE ON ATMOSPHERIC SCIENCES* (*C310009 016*); 12 MONTHS $17,300

ODISHAW, HUGH; *SUPPORT OF THE GEOPHYSICS RESEARCH BOARD AND ITS AFFILIATES* (*C310049 009**); 12 MONTHS $103,825

FLORIDA

EDWARD WATERS COLLEGE

GANGULI, GOURANGA; *COMPARISON OF TECHNIQUES FOR MEASURING TRACE SPECIES IN THE ATMOSPHERE* (A034158); 15 MONTHS $21,400

FLORIDA STATE UNIVERSITY

STEPHENS, JESSE J; *TRANSIENT SCATTERING BY HYDROMETEORS* (A030848); 12 MONTHS $20,000

UNIVERSITY OF FLORIDA

GREEN, ALEX E S; *ATMOSPHERIC RADIATIVE TRANSFER AND ATMOSPHERIC PHYSICS* (A026436 001); 12 MONTHS $42,000

UMAN, MARTIN A; *THE CALCULATION OF LIGHTNING RETURN STROKE CURRENTS OVER LAND AND WATER FROM MEASURED ELECTRIC FIELDS* (A031976); 12 MONTHS $39,100

UNIVERSITY OF MIAMI-SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES

LHERMITTE, ROGER M; *DUAL-DOPPLER RADAR PROBING* (A028439 X01); 12 MONTHS $74,900

WENZEL, ALAN R; *WAVE PROPAGATION IN RANDOM MEDIA* (A031561); 24 MONTHS $43,600

KRAUS, ERIC B; *OCEAN-ATMOSPHERE INTERACTION* (A033550 X00); 12 MONTHS $79,800

GEORGIA

CLARK COLLEGE

KIANG, C S; *NUCLEATION THEORY AND ITS APPLICATIONS* (A032408); 6 MONTHS $7,300

KIANG, C S, AND WALKER, G H; *STUDY OF NUCLEATION THEORY* (A033422); 24 MONTHS $62,100

GEORGIA INSTITUTE OF TECHNOLOGY

ROPER, R G; *WIND IN THE 80-100 KILOMETER REGION* (A026626 001); 24 MONTHS $65,800

HAWAII

UNIVERSITY OF HAWAII

STEIGER, WALTER R; *DYNAMICS AND MAINTENANCE OF THE NIGHTTIME IONOSPHERE AT HAWAII* (A016876 001); 12 MONTHS $35,300

ROELOFS, T H, AND YUEN, PAUL C; *IONOSPHERE STUDIES USING TOTAL ELECTRON CONTENT* (A017330 002); 12 MONTHS $62,000

YUEN, PAUL C, NAJITA, KAZUTOSHI, AND FANG, GAUTIER T; *CAUSES OF IONOSPHERIC VARIATIONS* (A023964 001); 7 MONTHS $22,200

MCCABE, MARIE K, AND ZIRKER, J B; *SOLAR CORONAL ACTIVITY* (A025903 001); 12 MONTHS $52,200

WOLSTENCROFT, R D; *NIGHT-SKY OBSERVATIONS* (A028201 001); 12 MONTHS $40,000

TAKAHASHI, TSUTOMU; *SIMULTANEOUS OBSERVATION OF THE IN CLOUD ELECTRICAL CHARGE ON IONS, CLOUD DROPLETS AND RAINDROPS* (A030977); 24 MONTHS $108,500

ILLINOIS

UNIVERSITY OF CHICAGO

ATLAS, DAVID, AND SRIVASTAVA, R C; *DOPPLER RADAR STUDIES OF STRATIFORM PRECIPITATION* (A027680 X01); 12 MONTHS $83,600

SIMPSON, JOHN A; *SOLAR, INTERPLANETARY AND MAGNETOSPHERIC STUDIES WITH ENERGETIC PARTICLES* (A028368 X01); 12 MONTHS $159,600

MEYER, PETER; *PROPAGATION, MODULATION AND ACCELERATION OF ELECTRONS AND NUCLEI IN THE SOLAR SYSTEM* (A031767 X00); 12 MONTHS $83,900

UNIVERSITY OF ILLINOIS AT URBANA

YEH, K C, AND LIU, C H; *STUDY OF CERTAIN IONOSPHERIC WAVE PROPAGATION PROBLEMS* (A013723 001); 12 MONTHS $26,700

BOWHILL, SIDNEY A; *STUDY OF PRODUCTION AND LOSS PROCESSES FOR ATMOSPHERIC IONIZATION* (A025660 001); 12 MONTHS $57,500

BOWHILL, S A; *STUDIES OF IONOSPHERIC DYNAMICS BY THOMSON SCATTER* (A027295 001); 12 MONTHS $54,900

SHER, MICHAEL S, AND OGURA, MASAKO; *EFFICIENCY OF ILLIAC IV COMPUTER IN ATMOSPHERIC DYNAMICS CALCULATIONS* (A031407); 12 MONTHS $43,300

MAK, MAN-KIN; *THEORETICAL STUDIES ON GENERAL PLANETARY BOUNDARY LAYERS* (A032443); 12 MONTHS $20,500

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

WINKLER, ROBERT L; *PROBABILISTIC PREDICTION IN METEOROLOGY* (A031785); 24 MONTHS $30,500

PURDUE UNIVERSITY

SMITH, PHILLIP, AND VINCENT, DAYTON; *THE ENERGETICS OF OPEN ATMOSPHERIC SYSTEMS* (A010933 001); 12 MONTHS $61,500

IOWA

IOWA STATE UNIVERSITY OF SCIENCE & TECHNOLOGY

STANFORD, JOHN L; *ELECTROMAGNETIC STUDIES OF SEVERE CONVECTIVE STORMS* (A031776); 24 MONTHS $92,700

UNIVERSITY OF IOWA

JOYCE, GLENN, AND SHAWHAN, STANLEY D; *NUMERICAL INVESTIGATION OF PLASMAS* (A031676); 12 MONTHS $24,900

KANSAS

UNIVERSITY OF KANSAS

BEARD, DAVID B; *THE EXTERNAL GEOMAGNETIC FIELD AND MAGNETOSPHERIC PHENOMENA* (A014089 001); 12 MONTHS $41,700

MARYLAND

APPLIED PHYSICS LABORATORY

KRIMIGIS, S M; *STUDIES OF MULTIPLE-CHARGED ENERGETIC TRAPPED NUCLEI IN THE RADIATION BELT* (A030841); 24 MONTHS $77,500

ATOMIC ENERGY COMMISSION

COX, ARTHUR N; *TOTAL SOLAR ECLIPSE, JULY 10, 1972* (AG00377); 8 MONTHS $12,000

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

TOWNSEND, J W; *IONOSPHERIC STUDIES AT JICAMARCA RADIO OBSERVATORY* (AG00219 003); 12 MONTHS $25,900

UNIVERSITY OF MARYLAND, COLLEGE PARK

LANDSBERG, H E; *CLIMATIC CHANGES THROUGH URBANIZATION* (A029304 X01); 12 MONTHS $38,800

MASSACHUSETTS

HARVARD UNIVERSITY

GOODY, RICHARD; *ATMOSPHERIC PHYSICS AND DYNAMICS* (A033990 X00); 12 MONTHS $205,300

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

STARR, VICTOR P; *OBSERVATIONAL AND THEORETICAL STUDIES OF PLANETARY ATMOSPHERES* (A001310 X03); 12 MONTHS $186,400

SANDERS, FREDERICK; *ANALYSIS OF SUBSYNOPTIC-SCALE PROCESSES IN EXTRATROPICAL CYCLONES AND THEIR RELATIONSHIP TO THE LARGER-SCALE CIRCULATION* (A027908 X01); 12 MONTHS $73,500

STARR, VICTOR P; *OBSERVATIONAL STUDIES OF THE MOTION AND DYNAMICS OF THE JOVIAN ATMOSPHERE* (A028397 001); 12 MONTHS $42,900

MOLLO-CHRISTENSEN, ERIK; *THE DYNAMICS OF AIR-SEA INTERACTION* (A028622 X01); 12 MONTHS $77,400

BEARDSLEY, ROBERT C; *EXPERIMENTAL RESEARCH IN GEOPHYSICAL FLUID DYNAMICS* (A030616); 24 MONTHS $70,700

MALKUS, WILLIAM V R; *GEOPHYSICAL FLUID DYNAMICS* (A032593); 24 MONTHS $60,900

EVANS, JOHN V; *DESIGN STUDIES FOR AN UPPER ATMOSPHERE OBSERVATORY* (A0[illegible]902); 12 MONTHS $181,600

UNIVERSITY OF MASSACHUSETTS, AMHERST

GOLDENBERG, H MARK; *MEASUREMENT OF THE SOLAR OBLATENESS* (A028035 001); $5,600

HARVARD UNIVERSITY-OBSERVATORY

DALGARNO, A; *METASTABLE OXYGEN ATOMS IN THE MESOSPHERE AND STRATOSPHERE* (A030181); 12 MONTHS $22,100

MICHIGAN

UNIVERSITY OF MICHIGAN

EPSTEIN, EDWARD S; *STOCHASTIC DYNAMIC PREDICTION* (A019248 001); 4 MONTHS $28,000

HAYS, PAUL B, AND NAGY, ANDREW F; *EXPERIMENTAL AND THEORETICAL AIRGLOW STUDIES* (A02[illegible]690 X01); $15,400

HAYS, PAUL B, AND NAGY, ANDREW F; *EXPERIMENTAL AND THEORETICAL AIRGLOW STUDIES* (A028690 X02); 12 MONTHS $70,000

JONES, LESLIE M AND BARTMAN, FREDERICK L; *THE ATMOSPHERIC INFORMATION CONTENT OF AIRCRAFT SOUND* (A031896); 12 MONTHS $22,[illegible]00

MISSOURI

UNIVERSITY OF MISSOURI, ROLLA

STAMPFER, JOSEPH F JR; *THE EFFECTS AND AMOUNTS OF SURFACE ACTIVE MATERIALS IN THE ATMOSPHERE* (A001509 001); 24 MONTHS $77,100

LEVENSON, LEONARD L; *WATER VAPOR-SURFACE REACTIONS. DYNAMIC AND STEADY STATE STUDIES WITH MOLECULAR BEAMS AND QUARTZ CRYSTAL MICROBALANCES* (A013948 001); 12 MONTHS $29,800

KASSNER, JAMES L JR; *EXPERIMENTAL AND THEORETICAL STUDIES OF NUCLEATION PHENOMENA* (A028711 X01); 12 MONTHS $62,500

ALOFS, DARRYL J; *QUANTITATIVE STUDIES OF THE NUCLEATION PROCESS (A030876)*; 24 MONTHS $59,800

PLUMMER, PATRICIA L M, HALE, BARBARA N, AND LUND, LOUIS H; *THE HOMOGENEOUS NUCLEATION OF WATER FROM A SUPERSATURATED VAPOR (A032386)*; 24 MONTHS $40,500

WASHINGTON UNIVERSITY

GARDNER, RICHARD A; *URBAN MICROMETEOROLOGY- THE ROLE OF THE URBAN HEAT ISLAND IN THE AIR POLLUTION EPISODE (A032729)*, 18 MONTHS $20,000

NEVADA

DESERT RESEARCH INSTITUTE

TELFORD, JAMES W; *AIRBORNE INVESTIGATIONS OF THE STRUCTURE OF ATMOSPHERIC CONVECTION AND BOUNDARY LAYER TRANSFERS (A030696 X00)*; 12 MONTHS $170,000

NEW HAMPSHIRE

DARTMOUTH COLLEGE

STRCHBEHN, JOHN W; *ELECTROMAGNETIC WAVE PROPAGATION IN THE ATMOSPHERE (A031488)*, 24 MONTHS $104,400

UNIVERSITY OF NEW HAMPSHIRE, DURHAM

FROST, ALBERT D; *TO CONDUCT RESEARCH AT THE UNIVERSITY OF SHEFFIELD (ENGLAND) DURING THE PERIOD SEPTEMBER 1, 1971 TO JULY 1, 1972 (A030354)*; 12 MONTHS $545

KAUFMANN, RICHARD L; *MAGNETOHYDRODYNAMIC WAVES NEAR THE MAGNETOPAUSE (A032501 X00)*; 12 MONTHS $25,100

LOCKWOOD, JOHN A; *INTENSITY-TIME VARIATIONS IN THE COSMIC RADIATION (A032771 X00)*, 12 MONTHS $39,400

LOCKWOOD, JOHN A; *MEASUREMENTS OF THE NEUTRON AND GAMMA-RAY INTENSITY IN THE ATMOSPHERE (A033858)*, 24 MONTHS $56,900

NEW JERSEY

PRINCETON UNIVERSITY

MELLOR, GEORGE L, AND SMAGORINSKY, JOSEPH; *RESEARCH IN GEOPHYSICAL FLUID DYNAMICS (A014552 001)*; 24 MONTHS $60,700

RUTGERS UNIVERSITY

PESKIN, RICHARD L; *TURBULENCE AND TURBULENT DIFFUSION IN STRATIFIED FLOW (A033421)*; 24 MONTHS $60,000

NEW MEXICO

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY

BROOK, MARX; *THUNDERSTORM ELECTRIFICATION (A032591 X00)*; 12 MONTHS $76,300

UNIVERSITY OF NEW MEXICO

REGENER, VICTOR H, AND SWINSON, DEREK B; *INVESTIGATION OF COSMIC RAY ANISOTROPIES IN INTERPLANETARY SPACE USING UNDERGROUND COSMIC RAY DETECTORS (A030591)*; 24 MONTHS $61,400

NEW YORK

CLARKSON COLLEGE OF TECHNOLOGY

NEWELL, ALLAN; *NONLINEAR PROCESSES IN GEOPHYSICAL FLUID DYNAMICS (A027727 001)*, 24 MONTHS $58,200

CORNELL UNIVERSITY

FARLEY, DONALD T; *STUDIES OF THE EQUATORIAL IONOSPHERE AND MAGNETOSPHERE (A004350 002)*; 12 MONTHS $32,600

BRICE, NEIL; *STUDIES OF MAGNETOSPHERIC RESEARCH (A011415 002)*; 12 MONTHS $49,800

SAGAN, CARL; *INVESTIGATIONS OF THE ATMOSPHERES OF VENUS AND JUPITER (A023945 002)*; 12 MONTHS $38,500

AUER, P L, AND MORSE, D L; *LABORATORY SIMULATION OF PARTICLE THERMALIZATION IN THE EARTH'S BOW SHOCK (A031175)*; 12 MONTHS $50,900

NEW YORK UNIVERSITY

FRIEND, JAMES, AND LEIFER, ROBERT; *FORMATION OF STRATOSPHERIC CONDENSATION NUCLEI (A030995)*, 12 MONTHS $49,900

STATE UNIVERSITY AT ALBANY

ORVILLE, RICHARD E; *QUANTITATIVE STUDY OF LIGHTNING (A011048 003)*; 4 MONTHS $14,600

MOHNEN, VOLKER A; *ION MOLECULE REACTIONS OF ATMOSPHERIC IMPORTANCE (A022760 001)*; 12 MONTHS $4[illegible],200

BLANCHARD, DUNCAN C; *MECHANISM FOR THE CONCENTRATION OF BACTERIA IN JET AND FILM DROPS (A023413 001)*; 12 MONTHS $29,200

CHESSIN, HENRY; *ATMOSPHERIC AEROSOL ANALYSIS BY X-RAY SPECTROMETRIC TECHNIQUES (A031903)*; 24 MONTHS $44,200

ARNASON, GEIRMUNDUR; *NUMERICAL SIMULATION OF THE MICROPHYSICAL AND MACROPHYSICAL PROCESSES OF MOIST CONVECTION (A032330 X00)*; 12 MONTHS $58,700

SCHAEFER, VINCENT J, AND HOGAN, AUSTIN W; *AEROSOL CONCENTRATIONS ON A GLOBAL SCALE (A032502*)*; 12 MONTHS $25,000

UNIVERSITY OF ROCHESTER

BADHWAR, GAUTAM; *RESEARCH IN COSMIC RAY PHYSICS (A031140)*; 12 MONTHS $6,900

COLUMBIA UNIVERSITY-LAMONT-DOHERTY GEOLOGICAL OBSERVATORY

HERRON, THOMAS J; *IONOSPHERIC MOTIONS (A033480)*, 24 MONTHS $50,100

DONN, WILLIAM L; *WAVES IN THE NEUTRAL AND IONIZED ATMOSPHERE (A0[illegible]3710 X00)*; 12 MONTHS $75,500

NORTH CAROLINA

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

RIPPERTON, LYMAN A; *CHEMICAL AND ENVIRONMENTAL FACTORS AFFECTING OZONE CONCENTRATION IN THE LOWER TROPOSPHERE (A014475 001)*; 12 MONTHS $60,000

OHIO

CASE WESTERN RESERVE UNIVERSITY

TANENBAUM, B SAMUEL; *RESEARCH ON IONOSPHERIC PHYSICS (A010717 002)*; 24 MONTHS $103,000

FRYE, GLENN M JR; *ATMOSPHERIC HIGH ENERGY NEUTRONS (A029035 001)*; 12 MONTHS $133,700

JANOWITZ, GERALD S; *THE FLOW OF STABLY STRATIFIED FLUIDS OVER OBSTACLES (A031889)*, 24 MONTHS $30,100

OREGON

OREGON STATE UNIVERSITY

ELLIOTT, WILLIAM P; *PRECIPITATION PROCESSES IN WESTERN OREGON (A031141)*; 24 MONTHS $124,300

PETERSON, ERNEST W; *COMPUTER MODELING OF FLOW OVER INHOMOGENEOUS TERRAIN (A031269)*; 24 MONTHS $34,000

HEWSON, E WENDELL, AND GAY, LLOYD; *DOCTORAL DISSERTATION RESEARCH IN THE ENVIRONMENTAL SCIENCES (A034745*)*; 12 MONTHS $500

PENNSYLVANIA

LAVOIE, RONALD L; *OTHER PROGRAM AWARDS (01AWDS)*, 14 MONTHS $37,900

DREXEL UNIVERSITY

COONEY, JOHN A; *LASER RADAR (LIDAR) RESEARCH FOR MEASURING ATMOSPHERIC WATER VAPOR PROFILES (A031831)*, 12 MONTHS $40,000

PENNSYLVANIA STATE UNIVERSITY

PANOFSKY, HANS A, AND BLACKADAR, ALFRED K; *ENERGETICS AND INTERACTIONS OF ATMOSPHERIC MOTION (A001595 X02)*; 12 MONTHS $99,900

HEICKLEN, JULIAN P, AND SIMONAITIS, ROMUALDAS; *CHEMICAL REACTIONS OF IMPORTANCE IN THE EARTH'S AND PLANETARY ATMOSPHERES (A012385 002)*; 24 MONTHS $99,900

FERRARO, A J, AND LEE, H S; *D-REGION STUDIES AT MID-LATITUDE BY MEANS OF WAVE INTERACTION (A013885 002)*; 24 MONTHS $100,000

HAGEN, JOHN P; *MULTI-FREQUENCY SOLAR OBSERVATIONAL PROGRAM (A028122 001)*; 12 MONTHS $50,100

HOVERMALE, JOHN B, AND CAHIR, JOHN J; *WEATHER PRODUCING CIRCULATIONS OF SUBSYNOPTIC SCALES (A032256)*; 12 MONTHS $30,900

NISBET, JOHN S; *IONOSPHERIC INVESTIGATIONS (A033446 X00)*, 12 MONTHS $56,400

UNIVERSITY OF PENNSYLVANIA

FRIEDMAN, IRVING; *STABLE ISOTOPES IN RAINDROPS- GEOCHEMISTRY AND METEOROLOGY (A033860)*; 24 MONTHS $25,300

UNIVERSITY OF PITTSBURGH

DONAHUE, T M; *AIRGLOW AND AURORAS IN PLANETARY ATMOSPHERES (A027638 001)*; 12 MONTHS $119,900

SHEMANSKY, DONALD E; *LABORATORY STUDY OF THE NITROGEN AFTERGLOW (A028851 001)*; 12 MONTHS $34,300

FRANKLIN INSTITUTE-BARTOL RESEARCH FOUNDATION

POMERANTZ, MARTIN A; *SOLAR-TERRESTRIAL RELATIONSHIPS MANIFESTED BY COSMIC RAY VARIATIONS (A033531)*, 12 MONTHS $76,000

RHODE ISLAND

UNIVERSITY OF RHODE ISLAND-GRADUATE SCHOOL OF OCEANOGRAPHY

DUCE, ROBERT A; *LEAD AND GASEOUS IODINE AND BROMINE IN POLLUTED AIR (A031918)*; 24 MONTHS $60,300

TENNESSEE

SOUTHWESTERN AT MEMPHIS

STREETE, J L; *MEASUREMENT OF INTENSITY RATIOS OF INFRARED EMISSION LINES OF HELIUM IN SOLAR PROMINENCES (A030617)*; 12 MONTHS $12,700

UNIVERSITY OF TENNESSEE, KNOXVILLE

FOX, KENNETH; *COLLABORATIVE RESEARCH IN ULTRA-LONG PATH, HIGH RESOLUTION MOLECULAR SPECTROSCOPY (A030713)*; 12 MONTHS $30,200

TEXAS

RICE UNIVERSITY

WOLF, R A, AND DESSLER, A J; *MAGNETOSPHERIC CONVECTION (A027206 001)*; 24 MONTHS $85,400

MICHEL, F CURTIS, AND CLOUTIER, PAUL A; *THEORETICAL STUDY OF THE INTERACTION OF THE SOLAR WIND WITH PLANETARY ATMOSPHERES (A028033 X01)*; 12 MONTHS $19,400

FEW, ARTHUR A JR; *CHANNEL STRUCTURE AND ELECTRIC CHARGE STORAGE IN THUNDERSTORM CLOUDS LIGHTNING (A031951)*; 24 MONTHS $106,700

TEXAS A & M UNIVERSITY

THOMPSON, AYLMER H; *INVERSION FORMATION, MAINTENANCE, AND BREAKDOWN PROCESSES OVER NORTHWEST NORTH AMERICA (A030619)*; 15 MONTHS $29,100

BYERS, HORACE R, AND DAS, PHANINDRAMOHAN; *MICRODYNAMICS OF WARM CUMULUS CONGESTUS (A032329)*; 12 MONTHS $31,100

UNIV OF TEXAS AT AUSTIN

CLARK, JOHN H E; *DYNAMICS OF THE STRATOSPHERE (A031408)*; 24 MONTHS $34,200

UNIV OF TEXAS AT DALLAS

PALMEIRA, R A R; *DALLAS AND CHURCHILL SUPER NEUTRON MONITOR STATIONS (A028962 001)*; 12 MONTHS $41,000

HANSON, W B, AND MCCLURE, J P; *OGO VI HIGH RESOLUTION ION TRAP STUDIES OF IONOSPHERIC IRREGULARITIES (A031318)*; 24 MONTHS $100,000

TINSLEY, BRIAN A, AND CHRISTENSEN, ANDREW B; *TROPICAL, MID AND HIGH LATITUDE STUDIES OF SELECTED AIRGLOW EMISSIONS (A033262 X00)*; 12 MONTHS $50,600

UTAH

UNIVERSITY OF UTAH

KETCHAM, WARREN M; *CLOUD DROPLET SIZE DISTRIBUTION USING OPTICAL CHARACTER RECOGNITION TECHNIQUES (A031164)*; 12 MONTHS $29,000

UTAH STATE UNIVERSITY

DESPAIN, ALVIN M, AND BAKER, KAY D; *STUDY OF INFRARED AURORAS (A019493 001)*; $5,000

MEGILL, LAWRENCE R; *STUDY OF MESOSPHERIC TRACE CONSTITUENTS WITH ROCKET PROBES (A025898 001)*; 12 MONTHS $50,400

MEGILL, LAWRENCE R; *STUDY OF MESOSPHERIC TRACE CONSTITUENTS WITH ROCKET PROBES (A025898 002)*; $6,000

WASHINGTON

UNIVERSITY OF WASHINGTON

VALI VICTOR, AND GOLDSTEIN, RAYMOND; *COLLABORATIVE RESEARCH IN ULTRA-LONG PATH, HIGH RESOLUTION MOLECULAR SPECTROSCOPY (A030714)*; 12 MONTHS $42,500

VALI VICTOR, AND GOLDSTEIN, RAYMOND; *ULTRA-LONG PATH, HIGH RESOLUTION MOLECULAR SPECTROSCOPY (A030714 001)*; $6,500

BUSINGER, J A, AND FLEAGLE, R G; *COMPREHENSIVE STUDY OF THE STRUCTURE OF THE PLANETARY BOUNDARY LAYER (A031317 X00)*; 12 MONTHS $132,100

CLARK, KENNETH C; *UPPER ATMOSPHERE EXCITATION (A032592 X00)*; 12 MONTHS $56,800

PARKS, GEORGE K; *AURORAL BREMSSTRAHLUNG X-RAYS FROM CONJUGATE REGION OF THE GEOSTATIONARY SATELLITE (A033021 X00)*; 12 MONTHS $64,100

PARKS, GEORGE K, AND WINCKLER, JOHN R; *ANALYSIS OF BALLOON X-RAY DATA OBTAINED FROM ATS-1 AURORAL CONJUGATE (A033719)*; 12 MONTHS $19,300

HODGE, PAUL W, AND CHARLSON, ROBERT J; *ASTRONOMICAL AND SPACE TECHNIQUES FOR RESEARCH ON THE ATMOSPHERE (A034126)*; 24 MONTHS $100,000

WASHINGTON STATE UNIVERSITY

CRAINE, LLOYD B; *INFRA-SONIC WAVES IN THE ATMOSPHERE PACIFIC NORTHWEST (A023176 001)*; 6 MONTHS $3,700

HOWER, GLEN L, AND SCHRADER, DAVID H; *COORDINATED STUDY OF THE LOWER IONOSPHERIC REGIONS (A031913)*; 12 MONTHS $32,700

BATTELLE MEMORIAL INSTITUTE-BATTELLE NORTHWEST

HOCH, RICHMOND J; *CONNECTION BETWEEN THE MAGNETOSPHERE AND SAR-ARCS (A031464)*; 12 MONTHS $34,900

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

KUTZBACH, JOHN E, AND BRYSON, REID A; *INTERDISCIPLINARY RESEARCH PROGRAM IN CLIMATOLOGY (A010651 X02)*; 16 MONTHS $180,000

WAHL, EBERHARD W; *DYNAMIC - CLIMATOLOGICAL STUDIES OF HEMISPHERIC CIRCULATION PARAMETERS (A011806 001)*; 12 MONTHS $53,400

ROESLER, F L; *HIGH-RESOLUTION SPECTROSCOPIC STUDIES IN AERONOMY (A015733 002)*; 12 MONTHS $35,000

BIRKEMEIER, WILLIAM P, LETTAU, HEINZ H, FONTAINE, ARTHUR B, AND SECHRIST, F S; *MICROWAVE TROPOSCATTER PROBING OF THE ATMOSPHERE (A016658 002)*; 12 MONTHS $67,000

JOHNSON, DONALD R, AND HORN, LYLE H; *ENERGY, MASS AND ANGULAR MOMENTUM BUDGETS OF EXTRATROPICAL CYCLONES (A030978 X00)*; 12 MONTHS $129,900

MCCLINTOCK, MICHAEL, AND HOUGHTON, DAVID; *NUMERICAL MODELING OF ATMOSPHERIC CIRCULATION CHANGES CAUSED BY AIR POLLUTION (A031316)*; 12 MONTHS $41,700

WEINMAN, JAMES A; *RADIATIVE AND PHOTO CHEMICAL PROPERTIES OF STRATOSPHERIC CONSTITUENTS (A031562)*; 24 MONTHS $47,800

WYOMING

UNIVERSITY OF WYOMING

HOFMANN, DAVID J; *MODULATION OF SOLAR COSMIC RAYS DURING GEOMAGNETIC STORMS (A012917 003)*; 4 MONTHS $6,800

EARTH SCIENCES

ALASKA

UNIVERSITY OF ALASKA-GEOPHYSICAL INSTITUTE

OSTERKAMP, T E, AND BENSON, C S; *EFFECTS OF ICE FORMATION ON AN ALASKAN STREAM (A030748)*; 12 MONTHS $34,900

PULPAN, HANS, AND BERG, EDUARD; *SEISMIC ENGINEERING STUDIES IN ALASKA (A034943*)*; 24 MONTHS $21,500

ARIZONA

ARIZONA STATE UNIVERSITY

MOORE, CARLETON B; *ANALYSIS OF SELECTED ELEMENTS IN METEORITES AND RELATED TERRESTRIAL ROCKS (A032297 X00)*; 12 MONTHS $31,400

HOLLOWAY, JOHN R; *INVESTIGATIONS OF C-H-O-N FLUIDS AT HIGH PRESSURES AND TEMPERATURES WITH APPLICATION TO EXPERIMENTAL PETROLOGY (A032432)*; 24 MONTHS $33,900

UNIVERSITY OF ARIZONA

DAMON, PAUL E; *CARBON-14 FLUCTUATIONS IN THE ENVIRONMENT OF EARTH AND ATMOSPHERE (A017485 001)*; 24 MONTHS $40,000

DAMON, PAUL E; *CORRELATION AND CHRONOLOGY OF ORE DEPOSITS AND VOLCANIC ROCKS (A031270)*; 24 MONTHS $70,100

DAMON, PAUL E, AND LIVINGSTON, DONALD E; *GEOCHEMICAL DATING OF PRECAMBRIAN ROCKS IN SOUTHWESTERN UNITED STATES AND MEXICO (A031418)*; 12 MONTHS $28,300

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

ANDERSON, DON L; *STUDY OF THE ELASTIC AND ANELASTIC PROPERTIES OF ROCKS AND ROCK-FORMING MINERALS AT HIGH TEMPERATURE AND HIGH PRESSURE (A012703 001)*; 24 MONTHS $100,000

ALBEE, ARDEN L; *CHEMICAL EQUILIBRIUM IN COEXISTING PHASES OF QUARTZ-MUSCOVITE ROCK (A012867 001)*; 24 MONTHS $109,700

SILVER, LEON T; *FIELD AND ISOTOPIC STUDIES OF THE OLDER GEOLOGIC HISTORY OF THE SOUTHWESTERN MARGIN OF NORTH AMERICA (A015989 001)*; 8 MONTHS $58,000

TAYLOR, HUGH P JR; *OXYGEN AND HYDROGEN ISOTOPE STUDIES OF ROCKS AND MINERALS (A030997 X00)*; 1[illegible] MONTHS $49,800

EPSTEIN, SAMUEL; *OXYGEN, HYDROGEN, CARBON AND SILICON ISOTOPE STUDIES OF NATURALLY OCCURRING MATERIALS (A031325 X00)*; 12 MONTHS $67,100

WASSERBURG, G J, AND ALBEE, A L; *GEOCHRONOLOGY AND ABUNDANCE OF RARE GASES IN NATURE (A031729)*; 24 MONTHS $80,800

AHRENS, THOMAS J; *GEOPHYSICAL LIGHT GAS GUN (A031407)*; 12 MONTHS $67,300

PATTERSON, CLAIR C; *BIOLOGICAL DISCRIMINATION FACTORS FOR METALS WITHIN NATURAL ECOSYSTEMS (B031038*)*; 12 MONTHS $18,000

CALIFORNIA STATE UNIVERSITY, LOS ANGELES

COLBURN, IVAN P; *ANALYSIS OF PALEOCURRENT FRAMEWORK OF CRETACEOUS TURBIDITES IN CALIFORNIA (A012860)*; $1,562

COLBURN, IVAN P; *ANALYSIS OF THE PALEOCURRENT FRAMEWORK OF THE CALIFORNIA CRETACEOUS TURBIDITE TERRANE AND ITS BEARING ON IMPORTANT GEOLOGIC HYPOTHESES (A012860 001)*; 2 MONTHS $11,100

EARTHQUAKE TECTONICS INC

BLOXSOM, DANIEL E JR; *FIELD MEASUREMENTS OF EMBRYONIC EARTHQUAKES* (*A034069*); 3 MONTHS $12,900

STANFORD UNIVERSITY

LUTH, W C, AND JAHNS, R H; *THE GRANITIC ROCKS* (*A001654 002*); 24 MONTHS $110,000

COX, ALLAN V; *EFFECT OF COSMIC RAY EXPOSURE ON MAGNETIC PROPERTIES OF METEORITES AND LUNAR SAMPLES* (*A030685*); 24 MONTHS $49,000

CLAERBOUT, JON F; *NUMERICAL MODELING OF GEOMAGNETIC FIELD GENERATION* (*A030766*); 12 MONTHS $17,200

LONGWELL, CHESTER R; *GEOLOGICAL STUDY OF HENDERSON QUADRANGLE AND EASTERN PART OF LAS VEGAS QUADRANGLE* (*A031200*); 6 MONTHS $4,100

UNIVERSITY OF CALIFORNIA, BERKELEY

VERHOOGEN, JOHN; *THE EARTH'S CORE* (*A001682 002*); 24 MONTHS $36,000

BOLT, BRUCE A; *INFERENCES ON THE EARTH'S INTERIOR* (*A004101 001*); 24 MONTHS $90,000

HELGESON, HAROLD C; *PREDICTION OF MASS TRANSFER IN GEOCHEMICAL PROCESSES INVOLVING AQUEOUS SOLUTIONS* (*A025314 001*); $30,000

HELGESON, HAROLD C; *PRACTICAL APPLICATIONS OF THEORETICAL GEOCHEMISTRY TO GEOLOGIC PROBLEMS* (*A030578*); 12 MONTHS $9,800

MORRISON, H FRANK; *THE USE OF VLF FIELDS IN GEOLOGICAL MAPPING* (*A030865*); 12 MONTHS $9,900

CARMICHAEL, IAN S E; *STUDIES IN IGNEOUS PETROLOGY* (*A032445 X00*); 12 MONTHS $26,100

UNIVERSITY OF CALIFORNIA, DAVIS

MOORES, ELDRIDGE M; *EMPLACEMENT OF FRANCISCAN-TYPE ROCKS AND ORIGIN OF RELATED MAFIC AND ULTRAMAFIC ROCKS* (*A014298 001*); 12 MONTHS $15,000

GREEN, HARRY W II, AND RADCLIFFE, S VICTOR; *HIGH VOLTAGE TRANSMISSION ELECTRON MICROSCOPY STUDY OF THE DEFORMATION OF ROCK-FORMING MINERALS* (*A031355*); 24 MONTHS $77,400

UNIVERSITY OF CALIFORNIA, LOS ANGELES

KAULA, WILLIAM M, AND SCHUBERT, GERALD; *THEORY OF MOTIONS IN THE EARTH'S MANTLE* (*A010963 001*); 24 MONTHS $48,600

SCHOPF, J WILLIAM; *MORPHOLOGIC AND GEOCHEMICAL STUDIES OF PRIMITIVE MICROORGANISMS* (*A023741 001*); 12 MONTHS $27,200

SHREVE, RONALD L; *GLACIER HYDRAULICS* (*A030731*); 24 MONTHS $29,000

RUMBLE, DOUGLAS III; *THERMODYNAMIC PROPERTIES OF THE FLUID PHASE OF REGIONAL METAMORPHISM* (*A031202*); 24 MONTHS $33,100

KNOPOFF, LEON; *SURFACE WAVE AND FREE MODE ANALYSIS AND INTERPRETATION* (*A031878*); 12 MONTHS $61,300

KENNEDY, GEORGE C, AND KIEFFER, SUSAN; *THERMAL CONDUCTIVITY OF SOLIDS AT HIGH PRESSURE* (*A031897*); 12 MONTHS $60,500

WASSON, JOHN T; *ORIGIN AND COMPOSITION OF METEORITIC AND TERRESTRIAL SAMPLES* (*A032084 X00*); 12 MONTHS $37,900

DOLLASE, WAYNE A, AND ERNST, W G; *MOSSBAUER AND CRYSTAL STRUCTURE ANALYSES OF NATURAL AND SYNTHETIC ROCK-FORMING MINERALS* (*A032268*); 24 MONTHS $42,800

KNOPOFF, LEON; *STOCHASTIC SEISMOLOGY* (*I031457**); 24 MONTHS $18,000

UNIVERSITY OF CALIFORNIA, SAN DIEGO

GILBERT, FREEMAN, AND HAUBRICH, RICHARD A; *OBSERVATIONS OF THE EARTH'S FREE MODES* (*A015922 001*); 12 MONTHS $60,000

LOVBERG, RALPH H, BERGER, JONATHAN, AND BRUNE, JAMES N; *FIELD DEPLOYMENT OF LASER STRAIN METER* (*A025700 001*); 12 MONTHS $60,900

BRUNE, JAMES N, AND GILBERT, FREEMAN; *EARTH STRUCTURE AND EARTHQUAKE SOURCE MECHANISM* (*A030765*); 12 MONTHS $70,000

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

TILTON, G R; *ISOTOPIC GEOCHEMISTRY OF LEAD AND STRONTIUM* (*A012478 001*); 24 MONTHS $50,000

CROWELL, JOHN C; *EARLY DISPLACEMENT HISTORY OF THE SAN ANDREAS FAULT SYSTEM, SOUTHERN CALIFORNIA* (*A030901*); 24 MONTHS $50,000

UNIVERSITY OF SOUTHERN CALIFORNIA

DAVIS, GREGORY A; *THE STRUCTURAL DEVELOPMENT OF THE SOUTHERN CORDILLERAN OROGEN, CALIFORNIA* (*A021401 001*); 24 MONTHS $24,000

HENYEY, THOMAS L, PALMER, DONALD F, AND SMITH, TODD I; *TO CONSTRUCT AND TEST A JOSEPHSON-EFFECT MAGNETOMETER FOR THE MEASUREMENT OF REMANENT MAGNETIZATION* (*A031961*); 12 MONTHS $4,500

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCRIPPS INSTITUTION OF OCEANOGRAPHY

ENGEL, ALBERT E J; *NATURE, ORIGIN AND EVOLUTION OF THE EARTH'S CRUST* (*A032441 X00*); 12 MONTHS $30,200

UNIVERSITY OF CALIFORNIA, SAN DIEGO-REVELLE COLLEGE

GOODKIND, JOHN M; *WIDEBAND GRAVIMETRY WITH THE SUPERCONDUCTING GRAVIMETER* (*A015985 002*); 18 MONTHS $43,400

COLORADO

COLORADO SCHOOL OF MINES

KELLER, GEORGE V; *ELECTROMAGNETIC SOUNDING OF THE CRUST AND UPPER MANTLE* (*A013134 002*); 6 MONTHS $3,500

SOUTHERN COLORADO STATE COLLEGE

CHASE, R B; *THE ROLE OF THE IDAHO BATHOLITH IN THE STRUCTURAL EVOLUTION OF NORTHWEST MONTANA* (*A033790*); 24 MONTHS $15,800

UNIVERSITY OF COLORADO

FARRELL, W E, AND HARRISON, J C; *FREE OSCILLATION AND EARTH TIDE STUDIES* (*A030549*); 12 MONTHS $19,200

BRADDOCK, WILLIAM A; *DOCTORAL DISSERTATION RESEARCH IN GEOPHYSICS* (*A031986*); 21 MONTHS $3,400

LARSON, EDWIN E; *DOCTORAL DISSERTATION RESEARCH IN GEOPHYSICS* (*A033447*); 24 MONTHS $3,500

WALKER, THEODORE R; *DIAGENETIC ALTERATIONS IN FIRST-CYCLE NON-MARINE SANDSTONES* (*A033560*); 24 MONTHS $37,100

CONNECTICUT

YALE UNIVERSITY

WAAGE, KARL M; *PALEONTOLOGICAL EVIDENCE ON THE CHANGES IN THE EARTH'S MOMENT OF INERTIA SINCE EARLY PROTEROZOIC* (*A031233*); 12 MONTHS $22,000

DISTRICT OF COLUMBIA

CARNEGIE INSTITUTION OF WASHINGTON

CHAYES, FELIX; *DEVELOPMENT OF A PUBLICLY AVAILABLE ELECTRONIC LIBRARY OF ROCK ANALYSES* (*A031201*); 12 MONTHS $18,800

SACKS, I SELWYN, AND LINDE, ALAN T; *ANELASTICITY STUDIES IN THE UPPER MANTLE AND STRESS RELEASE OF EARTHQUAKES* (*A031869*); 24 MONTHS $49,000

GEORGE WASHINGTON UNIVERSITY

MILTON, CHARLES; *MINERALOGY AND PETROLOGY OF THE GREEN RIVER FORMATION OF UTAH, WYOMING AND COLORADO* (*A004433 001*); 24 MONTHS $47,300

LEWIS, JOHN F; *PETROCHEMISTRY AND PETROLOGY OF SOME WEST INDIAN IGNEOUS ROCKS* (*A029199 001*); 12 MONTHS $8,300

WASILEWSKI, PETER; *PRELIMINARY EVALUATION OF THE MECHANICAL AND THERMAL ALTERATIONS IN DREDGED OCEAN BASALTS* (*A031830*); 24 MONTHS $28,800

NATIONAL ACADEMY OF SCIENCES

BOVE, ALBERT N; *SUPPORT OF THE U. S. NATIONAL COMMITTEE FOR GEOCHEMISTRY* (*C310158 003*); 12 MONTHS $13,100

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

ODISHAW, HUGH; *SUPPORT OF THE GEOPHYSICS RESEARCH BOARD AND ITS AFFILIATES* (*C310049 009**); 12 MONTHS $101,175

HEINDL, L A; *U. S. NATIONAL COMMITTEE FOR THE INTERNATIONAL HYDROLOGICAL DECADE* (*C310153 005**); 12 MONTHS $99,000

BOVE, ALBERT N; *TASK ORDER FOR PARTIAL SUPPORT OF THE U.S. NATIONAL COMMITTEE FOR ROCK MECHANICS* (*C310159 003*); 12 MONTHS $14,000

FLORIDA

FLORIDA STATE UNIVERSITY

CRAMER, FRITZ H; *SILURIAN PALYNOMORPHS OF KENTUCKY AND TENNESSEE* (*A030879*); 12 MONTHS $4,900

HARPER, CHRISTOPHER T, AND ODOM, A LEROY JR; *POTASSIUM-ARGON, RUBIDIUM-STRONTIUM AND URANIUM LEAD ISOTOPE STUDIES IN THE BLUE RIDGE AND INNER PIEDMONT, SOUTHERN APPALACHIANS* (*A033559*); 24 MONTHS $32,500

UNIVERSITY OF SOUTH FLORIDA

HUANG, WEN HSING; *THE INFLUENCE OF ORGANIC MATTER ON ALTERATION OF CLAY MINERALS* (*A033558*); 24 MONTHS $19,000

UNIVERSITY OF MIAMI-SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES

BONATTI, ENRICO, HARRISON, C G A, AND BALL, MAHLON M; *GEOLOGICAL AND GEOPHYSICAL FIELD TRIP TO THE AFAR DEPRESSION, ETHIOPIA* (*A026263 001*); $2,500

NAGLE, FREDERICK, AND STIPP, JERRY J; *REGIONAL SR87/86 VARIATIONS AND K/AR AGE DISTRIBUTIONS- THE LESSER ANTILLES* (*A027121 001*); 12 MONTHS $25,400

GINSBURG, ROBERT N; *EARLY SUBMARINE CEMENTATION OF REEFS* (*A029302 X01*); $5,000

GINSBURG, ROBERT N; *EARLY SUBMARINE CEMENTATION OF REEFS* (*A029302 X02*); 12 MONTHS $41,700

GEORGIA

GEORGIA INSTITUTE OF TECHNOLOGY

LONG, LELAND TIMOTHY; *A STUDY OF MICROEARTHQUAKES IN THE SOUTHEASTERN UNITED STATES* (*A031962*); 12 MONTHS $16,800

UNIVERSITY OF GEORGIA

MELTON, CHARLES E; *THE ORIGIN OF DIAMONDS* (*A033557*); 12 MONTHS $20,[illegible]

HAWAII

UNIVERSITY OF HAWAII

NAUGHTON, JOHN J; *POTASSIUM-ARGON DATING OF HAWAIIAN VOLCANICS* (*A001695 002*); 24 MONTHS $40,100

WALKER, DANIEL A, AND SUTTON, GEORGE H; *SEISMOLOGICAL INVESTIGATION OF THE WESTERN AND SOUTH PACIFIC UPPER MANTLE* (*A012851 001*); 12 MONTHS $64,400

SUTTON, GEORGE H; *LONG REFRACTION EXPERIMENT USING THE CANNIKIN NUCLEAR EXPLOSION AS A SOURCE* (*A031163*); 6 MONTHS $29,200

GARRELS, ROBERT M; *WET SYNTHESIS OF SILICATES AT LOW TEMPERATURES, AND PROPERTIES OF SEDIMENT-WATER SYSTEMS* (*A032058*); 5 MONTHS $11,500

WOOLLARD, GEORGE P; *COOPERATIVE GEOPHYSICAL AND GEOLOGICAL INVESTIGATION OF THE ANDEAN REGION OF SOUTH AMERICA* (*A032935*); 12 MONTHS $30,000

ILLINOIS

NORTHWESTERN UNIVERSITY

SPEED, ROBERT C; *PERMO-TRIASSIC CONTINENTAL MARGIN TECTONICS IN NEVADA AND CALIFORNIA* (*A028505 001*), $5,700

MACKENZIE, FRED T; *DOCTORAL DISSERTATION RESEARCH IN GEOCHEMISTRY* (*A031985*); 24 MONTHS $2,200

MACKENZIE, FRED T; *EXPERIMENTAL CARBONATE DIAGENESIS* (*A032120*); 24 MONTHS $45,000

SOUTHERN ILLINOIS UNIVERSITY - CARBONDALE

COHEN, ARTHUR D; *GEOLOGY OF THE PEATS OF THE OKEFENOKEE SWAMP* (*A015984 001*); 24 MONTHS $46,800

UNIVERSITY OF CHICAGO

MOORE, PAUL B; *SYSTEMATIC ANALYSIS OF ATOMIC ARRANGEMENTS IN MINERALS* (*A010932 001*); 24 MONTHS $82,000

HAFNER, STEFAN S; *INFRARED ABSORPTION, NUCLEAR MAGNETIC RESONANCE AND MOSSBAUER EFFECT APPLIED TO MINERALOGY* (*A014811 001*); 24 MONTHS $80,000

JAMIESON, JOHN C; *THE PHYSICAL BEHAVIOR OF SOLIDS UNDER VERY HIGH PRESSURE* (*A016875 001*); 24 MONTHS $79,600

WYLLIE, PETER J; *ORIGIN OF PLUTONIC IGNEOUS ROCK SERIES* (*A029426 001*); 12 MONTHS $35,100

WYLLIE, PETER J; *PETROGENETIC LINKS BETWEEN CARBONATITES AND KIMBERLITES* (*A032266 X00*); 12 MONTHS $23,300

CLAYTON, ROBERT N, AND SMITH, JOSEPH V; *CHEMICAL AND ISOTOPE ANALYSIS WITH AN ION MICROPROBE* (*A034131**); 12 MONTHS $34,700

UNIVERSITY OF ILLINOIS AT URBANA

STEVENSON, F J; *BIOGEOCHEMISTRY OF NITROGEN* (*A015707 001*); 24 MONTHS [illegible]5,000

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

DODD, J ROBERT; *PALEOECOLOGY OF THE MARINE PLIOCENE OF THE PACIFIC COAST* (*A030878*); 24 MONTHS $30,400

PURDUE UNIVERSITY

ROY, ROBERT F; *HEAT FLOW STUDIES OF CRUST AND MANTLE IN NORTHWESTERN MEXICO* (*A030189*); 24 MONTHS $29,[illegible]00

KULLERUD, GUNNAR; *PURCHASE OF EQUIPMENT FOR PHASE RELATIONS IN SULFIDE-TYPE SYSTEMS* (*A031727*); 1[illegible] MONTHS $65,000

TAYLOR, LAWRENCE A, AND MEYER, HENRY [illegible] A; *PHASE RELATIONS IN SULFIDE AND SILICATE SYSTEMS* (*A031988*); 24 MONTHS $45,000

LOW, PHILIP F; *RELATION BETWEEN THE CRYSTAL-LATTICE DIMENSIONS OF MONTMORILLONITE AND THE PROPERTIES OF THE ASSOCIATED WATER* (*A032447*); 24 MONTHS $50,900

KANSAS

UNIVERSITY OF KANSAS

VAN SCHMUS, W R; *MIDDLE PRECAMBRIAN CRUSTAL EVOLUTION IN THE PENOKEAN FOLD BELT SUBPROVINCE, WISCONSIN AND UPPER MICHIGAN* (*A01595[illegible]*); 24 MONTHS $37,000

LOUISIANA

GRAMBLING COLLEGE

SABU, DWARKA D; *THE STUDY OF NOBLE GAS ANOMALIES IN THE TERRESTRIAL ORE SAMPLES* (*A033406*); 12 MONTHS $7,600

MAINE

UNIVERSITY OF MAINE, ORONO

GREEN, E JEWETT; *PREDICTIVE THERMODYNAMIC MODELS FOR MINERAL SYSTEMS AND THEIR GEOLOGICAL APPLICATIONS* (*A031034*); 24 MONTHS $16,000

MARYLAND

JOHNS HOPKINS UNIVERSITY

EUGSTER, HANS P; *CONTROL OF PH IN HYDROTHERMAL ENVIRONMENTS* (*A001101 001*); 28 MONTHS $68,800

HARDIE, LAWRENCE A, AND EUGSTER, HANS P; *SEDIMENTARY ENVIRONMENT OF MARINE EVAPORITES* (*A031076*); 24 MONTHS $60,000

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

HESS, WILMOT N; *FOREIGN STANDARD SEISMOLOGICAL STATIONS AND RELATED SEISMOLOGICAL DATA CENTER ACTIVITIES* (*AG00843 001*); 12 MONTHS $283,500

MASSACHUSETTS

HARVARD UNIVERSITY

THOMPSON, JAMES B JR, AND KLEIN, CORNELIS JR; *COEXISTING MINERALS IN METAMORPHIC ROCKS* (*A011435 001*); 24 MONTHS $62,700

BURNHAM, CHARLES W; *CRYSTAL CHEMISTRY OF SILICATES* (*A012852 002*); 24 MONTHS $75,700

SIEVER, RAYMOND; *PETROLOGY AND GEOCHEMISTRY OF FINE-GRAINED SILICEOUS SEDIMENTS* (*A012865 002*); 21 MONTHS $37,500

SHANKLAND, T J; *SYNTHETIC FORSTERITE FOR GEOPHYSICAL RESEARCH* (*A032090*); 12 MONTHS $23,500

DZIEWONSKI, ADAM M; *INVESTIGATION OF THE PROPERTIES OF THE EARTH INTERIOR BY MEANS OF OBSERVATION OF SURFACE WAVES AND FREE OSCILLATIONS* (*A032320*); 24 MONTHS $53,000

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

CHUNG, D H, AND SIMMONS, GENE; *GEOPHYSICAL PROPERTIES OF POSSIBLE EARTH MANTLE MATERIALS* (*A011091 001*); 24 MONTHS $77,100

FREY, FREDERICK A; *PHASE EQUILIBRIA OF BIOTITES AND AMPHIBOLES* (*A013092 001*); 12 MONTHS $28,500

AKI, KEIITI; *GLOBAL TECTONIC SYNTHESIS FROM THE SPECTRAL ANALYSIS OF EARTHQUAKE SURFACE WAVES* (*A014818 001*); 24 MONTHS $75,000

SHAPIRO, IRWIN I; *GEOPHYSICAL APPLICATIONS OF ATOMIC-CLOCK RADIO INTERFEROMETRY* (*A015134 001*); 12 MONTHS $59,900

BURNS, ROGER G; *THE MOSSBAUER EFFECT IN MINERALS AT ELEVATED PRESSURES* (*A028906 X01*); $20,000

BURNS, ROGER G; *THE MOSSBAUER EFFECT IN MINERALS AT ELEVATED PRESSURES* (*A028906 X02*); 12 MONTHS $40,000

SOUTHAR[illegible] JOHN B; *GLACIER HYDRAULICS* (*A031489*); 24 MONTHS $31,100

MCGETCHIN, THOMAS R; *DIATREME STUDIES* (*A031726*); 24 MONTHS $51,000

HURLEY, PATRICK M, AND FAIRBAIRN, HAROLD W; *RADIOMETRIC AGE DATING OF PRECAMBRIAN ROCKS AND JOIDES CORES* (*A031872*); 12 MONTHS $37,100

WALSH, JOSEPH B; *INTERNAL STRESS IN POLYCRYSTALLINE ROCK* (*A031900*); 24 MONTHS $41,000

UNIVERSITY OF MASSACHUSETTS, AMHERST

MORSE, STEARNS A; *GEOCHEMICAL STUDIES IN THE KIGLAPAIT LAYERED INTRUSION AND NAIN ANORTHOSITE COMPLEX, LABRADOR* (*A031343*); 12 MONTHS $4,500

HUBERT, JOHN F; *SEDIMENTOLOGY OF THE CAMBRO-ORDOVICIAN COW HEAD GROUP, NORTHWESTERN NEWFOUNDLAND* (*A031870*); 24 MONTHS $26,400

JAFFE, HOWARD W, AND ROBINSON, PETER; *PHASE RELATIONS IN METAMORPHIC ROCKS OF CENTRAL MASSACHUSETTS AND THE CENTRAL ADIRONDACKS* (*A031989*); 24 MONTHS $48,400

MORSE, S A; *EVOLUTION OF ANORTHOSITE AND RELATED CRUSTAL ROCKS IN COASTAL LABRADOR* (*A032134*); 24 MONTHS $60,000

ROBINSON, PETER; *STRATIGRAPHY AND STRUCTURE OF NAPPES AND GNEISS DOMES OF THE BRONSON HILL ANTICLINORIUM AND MERRIMACK SYNCLINORIUM, WEST-CENTRAL MASSACHUSETTS* (*A033857*); 24 MONTHS $30,500

WILLIAMS COLLEGE

BOND, GERARD C; *SEDIMENTATION, PALEOGEOGRAPHY, AND PALEOTECTONICS OF UPPER PALEOZOIC STRATA IN THE EASTERN ALASKA RANGE, ALASKA* (*A031617*); 24 MONTHS $28,100

MICHIGAN

ADRIAN COLLEGE

MADOLE, R F, AND BACHHUBER, F W; *STRATIGRAPHIC AND PALYNOLOGIC STUDY OF FORMER ICE-MARGINAL LAKES AND A RADIOCARBON CORRELATION OF STADES OF PINEDALE GLACIATION IN BOULDER COUNTY, COLORADO (A029137 001);* $4,275

MADOLE, R F, AND BACHHUBER, F W; *STRATIGRAPHIC AND PALYNOLOGIC STUDY OF FORMER ICE-MARGINAL LAKES AND A RADIOCARBON CORRELATION OF STADES OF PINEDALE GLACIATION IN BOULDER COUNTY, COLORADO (A029137 002);* $800

UNIVERSITY OF MICHIGAN

KELLY, WILLIAM C; *FLUID INCLUSIONS IN TIN-TUNGSTEN VEINS (A029058 X01);* 12 MONTHS $35,200

DORR, JOHN A JR; *FOSSIL VERTEBRATE INTERCONTINENTAL FAUNAL RELATIONSHIPS AND PLATE TECTONICS, DEVONIAN-CRETACEOUS (A030730);* 12 MONTHS $22,300

MINNESOTA

UNIVERSITY OF MINNESOTA

SAWKINS, FREDERICK J; *FLUID INCLUSION STUDIES RELATED TO ORE GENESIS IN POSTMAGMATIC, METAMORPHIC AND SEDIMENTARY ENVIRONMENTS (A004355 008);* 12 MONTHS $24,900

HOOKE, ROGER LEB; *GLACIOLOGICAL STUDIES ON THE BARNES ICE CAP, BAFFIN ISLAND, CANADA (A019310 002);* 12 MONTHS $20,000

BANERJEE, SUBIR K; *STUDY OF REMANENCE IN FINE PARTICLES OF SYNTHESIZED (AND NATURAL) IRON TITANIUM OXIDES (A031299);* 12 MONTHS $9,000

MISSOURI

SOUTHWEST MISSOURI STATE COLLEGE

KURTZ, V E; *CAMBRIAN-LOWER ORDOVICIAN PALEONTOLOGY, STRATIGRAPHY AND SEDIMENTOLOGY, BIGHORN MOUNTAINS, WYOMING (A001538 001);* 12 MONTHS $14,300

ST LOUIS UNIVERSITY

STAUDER, WILLIAM; *RESEARCH IN EARTH STRAINS AND FOCAL MECHANISMS (A015816 001);* 24 MONTHS $99,300

NUTTLI, OTTO W; *SEISMOLOGICAL STUDIES RELATED TO THE EARTHQUAKE HAZARD PROBLEM IN THE CENTRAL AND EASTERN UNITED STATES (A020115 001);* 12 MONTHS $40,000

VINCENZ, STANISLAW A; *PALEOMAGNETIC INVESTIGATIONS OF HISPANIOLA (A033448);* 12 MONTHS $19,700

UNIVERSITY OF MISSOURI, COLUMBIA

HOSTETLER, PAUL B, AND BAUMAN, JOHN E; *THERMODYNAMICS OF IONIC INTERACTIONS (A031231);* 24 MONTHS $64,000

JOHNS, WILLIAM D; *COMPLETION OF AN X-RAY DIFFRACTOMETER SYSTEM (A031760);* 12 MONTHS $5,500

UNIVERSITY OF MISSOURI, ROLLA

MANUEL, OLIVER K; *NOBLE GASES IN THE EARTH AND ITS ATMOSPHERE (A016618 001);* 24 MONTHS $50,000

MONTANA

UNIVERSITY OF MONTANA

TALBOT, J L; *THE ROLE OF THE IDAHO BATHOLITH IN THE STRUCTURAL EVOLUTION OF NORTHWEST MONTANA (A033788);* 24 MONTHS $30,000

NEW JERSEY

PRINCETON UNIVERSITY

PHINNEY, ROBERT A; *MAGNETOTELLURIC EXPLORATION FOR CRUSTAL THERMAL ANOMALIES (A018267 001);* 12 MONTHS $31,000

KINSMAN, DAVID J J; *PROCESSES CONTROLLING THE CHEMICAL COMPOSITIONS OF SURFACE AND SHALLOW GROUND WATERS (A031061);* 24 MONTHS $62,200

WALDBAUM, DAVID R; *CALORIMETRIC INVESTIGATION OF THE THERMODYNAMIC PROPERTIES OF MINERALS (A031165);* 24 MONTHS $77,400

MORGAN, W JASON; *THEORETICAL STUDIES IN PLATE TECTONICS (A031364);* 24 MONTHS $60,300

BONINI, WILLIAM E; *ANALYSIS OF GRAVITY ANOMALIES - SOUTHERN MARGIN OF THE CARIBBEAN SEA IN VENEZUELA (A031877);* 24 MONTHS $44,700

HOLLAND, H D; *PLANNING CONFERENCE ON MINERAL EXPLORATION (A032163);* 12 MONTHS $7,000

SUPPE, JOHN; *TECTONIC DEVELOPMENT AND PROGRESSIVE METAMORPHISM OF THE FRANCISCAN TERRAIN, CALIFORNIA (A033554);* 24 MONTHS $31,900

NEW MEXICO

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY

SANFORD, ALLAN R; *DETERMINATION OF CRUSTAL STRUCTURE IN THE RIO GRANDE RIFT ZONE (A030767);* 12 MONTHS $10,900

UNIVERSITY OF NEW MEXICO

ANDERSON, ROGER Y; *CLIMATIC CYCLES AND PATTERNS IN VARVED SEDIMENTS-CASTILE PROJECT (A013573 001);* 12 MONTHS $35,100

BROOKINS, DOUGLAS G; *RUBIDIUM - STRONTIUM GEOCHRONOLOGY (A031139);* 12 MONTHS $21,100

NEW YORK

COLUMBIA UNIVERSITY

KAY, MARSHALL; *DUNNAGE MELANGE (NEWFOUNDLAND) AND THE PROTO-ATLANTIC PROBLEM (A015350 001);* 12 MONTHS $10,100

YPMA, PETER J M; *DOCTORAL DISSERTATION RESEARCH IN GEOCHEMISTRY (A030664);* 12 MONTHS $3,600

KERR, PAUL F; *THE ROLE OF CLAY MINERALS IN LANDSLIDES (A032801);* 6 MONTHS $5,300

CORNELL UNIVERSITY

OLIVER, JACK; *COLLABORATIVE RESEARCH ON THE DETAILED SEISMICITY OF THE ALPINE FAULT, NEW ZEALAND (A030366);* 24 MONTHS $59,600

OLIVER, JACK; *TECTONICS AND STRUCTURE OF THE TONGA ISLAND ARC (A030473);* 24 MONTHS $135,400

WHEELER, E P II; *PETROLOGY OF NAIN ANORTHOSITE - ADAMELLITE COMPLEX (A034084);* 24 MONTHS $3,700

ISACKS, BRYAN L; *SEISMOLOGICAL STUDIES OF THE DESCENT OF LITHOSPHERE INTO THE MANTLE (A034140);* 24 MONTHS $75,000

NEW YORK UNIVERSITY

BURRIDGE, ROBERT; *ELASTICITY PROBLEMS IN SEISMOLOGY (A031570);* 24 MONTHS $50,000

STATE UNIVERSITY AT ALBANY

WILLIAMS, P F, AND MEANS, W D; *FOLDING AND FABRIC DEVELOPMENT IN EXPERIMENTALLY DEFORMED SYNTHETIC MATERIALS (A015918 002);* 24 MONTHS $38,000

MIYASHIRO, AKIHO; *STUDY OF IGNEOUS AND METAMORPHIC ROCKS OF THE OCEANIC REGION (A020742);* 12 MONTHS $40,000

BIRD, JOHN M, AND DEWEY, JOHN F; *STUDIES OF OPHIOLITE COMPLEXES AND RELATED ROCKS IN THE NORTHERN APPALACHIANS (A033914);* 24 MONTHS $55,000

STATE UNIVERSITY AT BINGHAMTON

VIDALE, ROSEMARY J; *STUDY OF LOCALLY DERIVED VEIN MINERAL ASSEMBLAGES IN METAMORPHIC ROCKS (A[illegible]062);* 24 MONTHS $30,600

STATE UNIVERSITY AT STONY BROOK

PAPIKE, JAMES J, AND PREWITT, CHARLES T; *PHASE TRANSITIONS AND INTRACRYSTALLINE EQUILIBRIA IN PYROXENES AND AMPHIBOLES (A012973 001);* 24 MONTHS $110,200

BENCE, ALFRED E; *METAMORPHIC PETROGENESIS, DUTCHESS COUNTY, NEW YORK (A015638 001);* 12 MONTHS $20,000

GEBELEIN, CONRAD D; *STRATIGRAPHY AND ECOLOGY OF RECENT SHALLOW MARINE CARBONATE SEDIMENTS, SOUTHWEST ANDROS ISLAND, BAHAMAS (A025835 001);* 12 MONTHS $31,000

HANSON, GILBERT N; *EVOLUTION OF EARLY PRECAMBRIAN TERRANE (A030747);* 12 MONTHS $20,900

CARTER, NEVILLE L; *SOLID FLOW IN THE EARTH'S MANTLE (A031569);* 24 MONTHS $85,000

SYRACUSE UNIVERSITY

GROSHONG, RICHARD H JR; *TWINNED CALCITE AS A NATURAL STRAIN GAGE-VERIFICATION AND ACCURACY (A031094);* 12 MONTHS $10,500

DE WAARD, DIRK; *PETROLOGY AND STRUCTURE OF ROCKS BORDERING ON ANORTHOSITE MASSES IN THE NAIN AREA, LABRADOR (A031875);* 24 MONTHS $35,000

UNIVERSITY OF ROCHESTER

BASSETT, WILLIAM A, AND LIU, LIN-GUN; *INVESTIGATION OF THE EFFECT OF PRESSURE ON THE MELTING OF IRON AND ITS ALLOYS (A031902);* 12 MONTHS $21,900

COLUMBIA UNIVERSITY-LAMONT-DOHERTY GEOLOGICAL OBSERVATORY

KAY, ROBERT W; *DISPERSED ELEMENTS, LEAD AND STRONTIUM ISOTOPE COMPOSITIONS IN OCEANIC VOLCANIC ROCKS (A016457 001);* 24 MONTHS $47,200

EWING, MAURICE, AND NOWROOZI, ALI A; *OCEAN BOTTOM PROJECT (A021473 001);* 12 MONTHS $50,800

SYKES, LYNN R, AND WYSS, MAX; *A DETAILED STUDY OF THE REYKJANES PENINSULA, ICELAND- THE LANDWARD EXTENSION OF AN ACTIVELY SPREADING MID-OCEAN RIDGE (A029405 001);* 20 MONTHS $68,000

SCHOLZ, CHRISTOPHER, AND OLIVER, JACK; *THE DETAILED SEISMICITY OF THE ALPINE FAULT, NEW ZEALAND (A030383);* 24 MONTHS $60,700

EWING, MAURICE, AND KUO, JOHN T; *SOLID-EARTH TIDE STUDIES IN U.S.A. AND WESTERN EUROPE (A030897);* 12 MONTHS $38,000

MICHIGAN

ADRIAN COLLEGE

MADOLE, R F, AND BACHHUBER, F W; *STRATIGRAPHIC AND PALYNOLOGIC STUDY OF FORMER ICE-MARGINAL LAKES AND A RADIOCARBON CORRELATION OF STADES OF PINEDALE GLACIATION IN BOULDER COUNTY, COLORADO (A029137 001)*, $4,275

MADOLE, R F, AND BACHHUBER, F W; *STRATIGRAPHIC AND PALYNOLOGIC STUDY OF FORMER ICE-MARGINAL LAKES AND A RADIOCARBON CORRELATION OF STADES OF PINEDALE GLACIATION IN BOULDER COUNTY, COLORADO (A029137 002)*, $800

UNIVERSITY OF MICHIGAN

KELLY, WILLIAM C; *FLUID INCLUSIONS IN TIN-TUNGSTEN VEINS (A029058 X01)*; 12 MONTHS $35,200

DORR, JOHN A JR; *FOSSIL VERTEBRATE INTERCONTINENTAL FAUNAL RELATIONSHIPS AND PLATE TECTONICS, DEVONIAN-CRETACEOUS (A030730)*; 12 MONTHS $22,300

MINNESOTA

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SAWKINS, FREDERICK J; *FLUID INCLUSION STUDIES RELATED TO ORE GENESIS IN POSTMAGMATIC, METAMORPHIC AND SEDIMENTARY ENVIRONMENTS (A004355 002)*; 12 MONTHS $24,900

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BANERJEE, SUBIR K; *STUDY OF REMANENCE IN FINE PARTICLES OF SYNTHESIZED (AND NATURAL) IRON TITANIUM OXIDES (A031299)*; 12 MONTHS $9,000

MISSOURI

SOUTHWEST MISSOURI STATE COLLEGE

KURTZ, V E; *CAMBRIAN-LOWER ORDOVICIAN PALEONTOLOGY, STRATIGRAPHY AND SEDIMENTOLOGY, BIGHORN MOUNTAINS, WYOMING (A001538 001)*, 12 MONTHS $14,300

ST LOUIS UNIVERSITY

STAUDER, WILLIAM; *RESEARCH IN EARTH STRAINS AND FOCAL MECHANISMS (A015816 001)*; 24 MONTHS $99,300

NUTTLI, OTTO W; *SEISMOLOGICAL STUDIES RELATED TO THE EARTHQUAKE HAZARD PROBLEM IN THE CENTRAL AND EASTERN-UNITED STATES (A020115 001)*; 12 MONTHS $40,000

VINCENZ, STANISLAW A; *PALEOMAGNETIC INVESTIGATIONS OF HISPANIOLA (A033448)*; 12 MONTHS $19,700

UNIVERSITY OF MISSOURI, COLUMBIA

HOSTETLER, PAUL B, AND BAUMAN, JOHN E; *THERMODYNAMICS OF IONIC INTERACTIONS (A031231)*; 24 MONTHS $64,000

JOHNS, WILLIAM D; *COMPLETION OF AN X-RAY DIFFRACTOMETER SYSTEM (A031760)*; 12 MONTHS $5,500

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MANUEL, OLIVER K; *NOBLE GASES IN THE EARTH AND ITS ATMOSPHERE (A016618 001)*; 24 MONTHS $50,000

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WALDBAUM, DAVID R; *CALORIMETRIC INVESTIGATION OF THE THERMODYNAMIC PROPERTIES OF MINERALS (A031465)*; 24 MONTHS $77,400

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BONINI, WILLIAM E; *ANALYSIS OF GRAVITY ANOMALIES - SOUTHERN MARGIN OF THE CARIBBEAN SEA IN VENEZUELA (A031877)*; 24 MONTHS $44,700

HOLLAND, H D; *PLANNING CONFERENCE ON MINERAL EXPLORATION (A032163)*; 12 MONTHS $7,000

SUPPE, JOHN; *TECTONIC DEVELOPMENT AND PROGRESSIVE METAMORPHISM OF THE FRANCISCAN TERRAIN, CALIFORNIA (A03[illegible]54)*; 24 MONTHS $31,900

NEW MEXICO

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SANFORD, ALLAN R; *DETERMINATION OF CRUSTAL STRUCTURE IN THE RIO GRANDE RIFT ZONE (A030767)*; 12 MONTHS $10,900

UNIVERSITY OF NEW MEXICO

ANDERSON, ROGER Y; *CLIMATIC CYCLES AND PATTERNS IN VARVED SEDIMENTS-CASTILE PROJECT (A0[illegible]3573 001)*; 12 MONTHS $35,100

BROOKINS, DOUGLAS G; *RUBIDIUM - STRONTIUM GEOCHRONOLOGY (A031139)*; 12 MONTHS $21,100

NEW YORK

COLUMBIA UNIVERSITY

KAY, MARSHALL; *DUNNAGE MELANGE (NEWFOUNDLAND) AND THE PROTO-ATLANTIC PROBLEM (A015350 001)*; 12 MONTHS $10,100

YPMA, PETER J M; *DOCTORAL DISSERTATION RESEARCH IN GEOCHEMISTRY (A030664)*; 12 MONTHS $3,600

KERR, PAUL F; *THE ROLE OF CLAY MINERALS IN LANDSLIDES (A032801)*; 6 MONTHS $5,300

CORNELL UNIVERSITY

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OLIVER, JACK; *TECTONICS AND STRUCTURE OF THE TONGA ISLAND ARC (A030473)*; 24 MONTHS $135,400

WHEELER, E P II; *PETROLOGY OF NAIN ANORTHOSITE - ADAMELLITE COMPLEX (A034084)*; 24 MONTHS $3,700

ISACKS, BRYAN L; *SEISMOLOGICAL STUDIES OF THE DESCENT OF LITHOSPHERE INTO THE MANTLE (A034140)*; 24 MONTHS $75,000

NEW YORK UNIVERSITY

BURRIDGE, ROBERT; *ELASTICITY PROBLEMS IN SEISMOLOGY (A031570)*; 24 MONTHS $50,000

STATE UNIVERSITY AT ALBANY

WILLIAMS, P F, AND MEANS, W D; *FOLDING AND FABRIC DEVELOPMENT IN EXPERIMENTALLY DEFORMED SYNTHETIC MATERIALS (A015918 002)*; 24 MONTHS $38,000

MIYASHIRO, AKIHO; *STUDY OF IGNEOUS AND METAMORPHIC ROCKS OF THE OCEANIC REGION (A020742)*; 12 MONTHS $40,000

BIRD, JOHN M, AND DEWEY, JOHN F; *STUDIES OF OPHIOLITE COMPLEXES AND RELATED ROCKS IN THE NORTHERN APPALACHIANS (A033914)*; 24 MONTHS $55,000

STATE UNIVERSITY AT BINGHAMTON

VIDALE, ROSEMARY J; *STUDY OF LOCALLY DERIVED VEIN MINERAL ASSEMBLAGES IN METAMORPHIC ROCKS (A030862)*; 24 MONTHS $30,600

STATE UNIVERSITY AT STONY BROOK

PAPIKE, JAMES J, AND PREWITT, CHARLES T; *PHASE TRANSITIONS AND INTRACRYSTALLINE EQUILIBRIA IN PYROXENES AND AMPHIBOLES (A012973 001)*; 24 MONTHS $110,200

BENCE, ALFRED E; *METAMORPHIC PETROGENESIS, DUTCHESS COUNTY, NEW YORK (A015638 001)*; 12 MONTHS $20,000

GEBELEIN, CONRAD D; *STRATIGRAPHY AND ECOLOGY OF RECENT SHALLOW MARINE CARBONATE SEDIMENTS, SOUTHWEST ANDROS ISLAND, BAHAMAS (A025235 001)*; 12 MONTHS $31,000

HANSON, GILBERT N; *EVOLUTION OF EARLY PRECAMBRIAN TERRANE (A030747)*; 12 MONTHS $20,900

CARTER, NEVILLE L; *SOLID FLOW IN THE EARTH'S MANTLE (A031569)*; 24 MONTHS $85,000

SYRACUSE UNIVERSITY

GROSHONG, RICHARD H JR; *TWINNED CALCITE AS A NATURAL STRAIN GAGE-VERIFICATION AND ACCURACY (A031094)*, 12 MONTHS $10,500

DE WAARD, DIRK; *PETROLOGY AND STRUCTURE OF ROCKS BORDERING ON ANORTHOSITE MASSES IN THE NAIN AREA, LABRADOR (A031873)*; 24 MONTHS $35,000

UNIVERSITY OF ROCHESTER

BASSETT, WILLIAM A, AND LIU, LIN-GUN; *INVESTIGATION OF THE EFFECT OF PRESSURE ON THE MELTING OF IRON AND ITS ALLOYS (A031902)*; 12 MONTHS $21,900

COLUMBIA UNIVERSITY-LAMONT-DOHERTY GEOLOGICAL OBSERVATORY

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EWING, MAURICE, AND NOWROOZI, ALI A; *OCEAN BOTTOM PROJECT (A021473 001)*; 12 MONTHS $50,800

SYKES, LYNN R, AND WYSS, MAX; *A DETAILED STUDY OF THE REYKJANES PENINSULA, ICELAND- THE LANDWARD EXTENSION OF AN ACTIVELY SPREADING MID-OCEAN RIDGE (A029405 001)*; 20 MONTHS $68,000

SCHOLZ, CHRISTOPHER, AND OLIVER, JACK; *THE DETAILED SEISMICITY OF THE ALPINE FAULT, NEW ZEALAND (A030383)*; 24 MONTHS $60,700

EWING, MAURICE, AND KUO, JOHN T; *SOLID-EARTH TIDE STUDIES IN U.S.A. AND WESTERN EUROPE (A030897)*, 12 MONTHS $38,000

BROECKER, WALLACE S; *DOCTORAL DISSERTATION RESEARCH IN GEOCHEMISTRY* (*A031203*); 12 MONTHS $2,600

OPDYKE, NEIL D; *MAGNETIC STRATIGRAPHY, CORRELATION AND ABSOLUTE AGE OF PLIOCENE-PLEISTOCENE TERRESTRIAL SEDIMENTS IN THE SOUTHERN BASIN AND RANGE PROVINCE* (*A033555*); 24 MONTHS $30,500

RICHARDS, PAUL G; *INVESTIGATION OF PULSE DEFORMATION IN SEISMIC BODY WAVES* (*A034109*); 24 MONTHS $39,700

HAYS, JAMES D; *CONFERENCE ON THE EXTINCTION OF ANIMAL LIFE IN THE GEOLOGIC PAST* (*A034316*); 6 MONTHS $4,600

NORTH DAKOTA

UNIVERSITY OF NORTH DAKOTA

TING, FRANCIS T C; *PETROGRAPHIC CHARACTERIZATION OF LOW-RANK COALS OF NORTH CENTRAL UNITED STATES* (*A031950*); 24 MONTHS $34,900

OHIO

CASE WESTERN RESERVE UNIVERSITY

NAIRN, ALAN E M; *PALEOMAGNETIC INVESTIGATION OF MESOZOIC ROCKS* (*A030764*); 24 MONTHS $39,800

OHIO STATE UNIVERSITY

FAURE, GUNTER; *DOCTORAL DISSERTATION RESEARCH IN GEOCHEMISTRY* (*A030663*); 24 MONTHS $4,000

OKLAHOMA

NORTHEASTERN STATE COLLEGE

REED, LANNY JOE; *ORIENTATION OF PARTICLES EMBEDDED IN A VISCOUS MATRIX AS THE MATRIX IS DEFORMED* (*A0[illegible]0770*); 12 MONTHS $11,300

UNIVERSITY OF OKLAHOMA

DUBOIS, ROBERT L; *STUDIES OF SECULAR VARIATION BY ARCHEOMAGNETIC METHODS* (*A034110*); 12 MONTHS $25,000

OREGON

OREGON STATE UNIVERSITY

JOHNSON, J GRANVILLE; *A STANDARD BIOSTRATIGRAPHIC SEQUENCE FOR THE DEVONIAN IN WESTERN NORTH AMERICA* (*A017647 001*); 24 MONTHS $40,000

HARWARD, M E; *CLAYS IN VOLCANIC ASH DEPOSITS FROM MT. MAZAMA, OREGON* (*A031166*); 24 MONTHS $30,000

TAUBENECK, WILLIAM H; *GRANITIC ROCKS IN THE MESOZOIC EVOLUTION OF THE PACIFIC NORTHWEST* (*A031852*); 24 MONTHS $29,200

UNIVERSITY OF OREGON - EUGENE

GOLES, GORDON G, AND BAKER, BRIAN H; *GEOCHEMICAL, PETROGENETIC AND VOLCANO-TECTONIC STUDIES OF THE ALKALINE VOLCANIC ROCKS OF THE KENYAN RIFT* (*A032333*); 24 MONTHS $58,000

GOLES, GORDON G; *COMPOSITIONAL VARIATIONS IN COLUMBIA RIVER BASALTS AND RELATED ROCKS* (*A033181 X00*); 12 MONTHS $33,700

PENNSYLVANIA

FRANKLIN AND MARSHALL COLLEGE

MORSE, S A; *EVOLUTION OF ANORTHOSITE AND RELATED CRUSTAL ROCKS IN COASTAL LABRADOR* (*A021386 001*); $2,800

BEUTNER, EDWARD C; *ONSHORE GEOLOGIC EVIDENCE OF CRUSTAL PLATE MOVEMENTS, CAPE MENDOCINO AREA CALIFORNIA* (*A032178*); 24 MONTHS $33,500

LEHIGH UNIVERSITY

PARKS, J M; *DOCTORAL DISSERTATION RESEARCH- BIOSTRATIGRAPHIC AND EVOLUTIONARY STUDY OF CONODONTS FROM THE TYPE CHAZY (MIDDLE ORDOVICIAN) OF NEW YORK AND VERMONT* (*A030353*); 12 MONTHS $[illegible],250

PENNSYLVANIA STATE UNIVERSITY

BOETTCHER, ARTHUR L; *HIGH-PRESSURE HYDROTHERMAL PHASE TRANSFORMATIONS AND THE GENERATION OF MAGMAS* (*A012737 001*); 24 MONTHS $40,100

SPACKMAN, WILLIAM; *THE CHARACTERISTICS OF MODERN ORGANIC SEDIMENTS AND THEIR USE IN THE IDENTIFICATION, DESCRIPTION AND INTERPRETATION OF CARBONACIOUS ROCKS AND ROCK SEQUENCES* (*A028961 001*); $5,200

BURNHAM, C WAYNE; *P-V-T-X RELATIONS IN THE SYSTEM H_2O-NACL TO 10 KILOBARS AND 1000 DEGREES C* (*A031062*); 18 MONTHS $72,200

WEBER, JON N; *GEOCHEMICAL STUDIES OF CARBONATES FROM CORAL REEF ENVIRONMENTS* (*A031217*); 24 MONTHS $28,000

DEINES, P; *EXPERIMENTAL DETERMINATION OF OXYGEN ISOTOPE FRACTIONATIONS BETWEEN MAGNETITE AND QUARTZ AND BETWEEN MAGNETITE AND SANIDINE* (*A031784*); 24 MONTHS $22,000

OHMOTO, HIROSHI; *SULFUR ISOTOPIC EQUILIBRIA IN HYDROTHERMAL SYSTEMS* (*A031901*); 24 MONTHS $30,600

UNIVERSITY OF PENNSYLVANIA

RALPH, ELIZABETH K; *C-14 MEASUREMENTS OF KNOWN AGE SAMPLES* (*A012572 001*); 24 MONTHS $46,100

UNIVERSITY OF PITTSBURGH

FULLER, M, ITO, HARUAKI, AND SCHMIDT, VICTOR A; *PALEOMAGNETIC STUDIES OF REVERSALS OF THE EARTH'S MAGNETIC FIELD* (*A013135 001*); 24 MONTHS $49,500

FULLER, M, ITO, HARUAKI, AND SCHMIDT, VICTOR A; *PALEOMAGNETIC STUDIES OF REVERSALS OF THE EARTH'S MAGNETIC FIELD* (*A013135 002*); 12 MONTHS $500

BIKERMAN, MICHAEL; *K-AR DATING OF VOLCANIC ROCKS IN SOUTHWESTERN NEW MEXICO* (*A016002 001*); 12 MONTHS $7,800

CASSIDY, WILLIAM A; *FIELD STUDIES AT CAMPO DEL CIELO, ARGENTINA* (*A031829*); 12 MONTHS $9,700

ROLLINS, HAROLD B, AND DONAHUE, JACK; *MARINE CYCLES AND SYMMETRY* (*A031898*); 24 MONTHS $41,400

RHODE ISLAND

BROWN UNIVERSITY

GILETTI, BRUNO J; *NATURAL AND ARTIFICIALLY INDUCED ISOTOPIC AGE DISCORDANCES IN MINERALS* (*A001649 002*); 12 MONTHS $34,700

CHAPPLE, WILLIAM M; *MECHANICS OF STRESS TRANSMISSION ACROSS A FOLD AND THRUST BELT* (*A004182 001*); 24 MONTHS $34,200

MATTHEWS, R K; *CARBONATE DIAGENESIS WITH SPECIAL EMPHASIS ON THE PLEISTOCENE OF BARBADOS, WEST INDIES* (*A026103 001*); 24 MONTHS $47,500

IMBRIE, JOHN; *PALEOECOLOGY OF THE OCEANIC FORMATION* (*A028755 001*); 15 MONTHS $11,300

HESS, PAUL C; *SOLUTION THEORIES OF SILICATE MELTS* (*A031785*); 24 MONTHS $11,500

HERMANCE, JOHN F; *MAGNETOTELLURIC AND TELLURIC STUDIES AT MICROPULSATION PERIODS ON THE AZORES* (*A033444*); 12 MONTHS $19,100

TULLIS, TERRY E; *RELATIONSHIP BETWEEN FINITE STRAIN AND PREFERRED ORIENTATION IN SLATE* (*A033553*); 24 MONTHS $19,900

UNIVERSITY OF RHODE ISLAND

WATKINS, N D; *PURCHASE AND OPERATION OF A SUPERCONDUCTING ROCK MAGNETOMETER* (*A036111*); 12 MONTHS $16,000

UNIVERSITY OF RHODE ISLAND GRADUATE SCHOOL OF OCEANOGRAPHY

KENNETT, JAMES P, AND WATKINS, NORMAN D; *PALEOMAGNETIC POLARITY HISTORY AND BIOSTRATIGRAPHY OF SELECTED UPPER TERTIARY-QUATERNARY MARINE SEQUENCES IN NEW ZEALAND* (*A027092 001*); 12 MONTHS $30,300

SCOTLAND

UNIVERSITY OF EDINBURGH

ARNOLD, E P; *THE INTERNATIONAL SEISMOLOGICAL CENTRE* (*A018222 002*); 12 MONTHS $37,500

SOUTH CAROLINA

CLEMSON UNIVERSITY

GRIFFIN, VILLARD S JR; *ANALYSIS OF THE STRUCTURAL, PETROLOGIC AND STRATIGRAPHIC INTERRELATIONSHIPS BETWEEN THE INNER PIEDMONT, KINGS MOUNTAIN, CHARLOTTE AND CAROLINA SLATE BELTS IN SOUTH CAROLINA* (*A016164 001*); 18 MONTHS $20,100

UNIVERSITY OF SOUTH CAROLINA

CONOLLY, JOHN R, KANES, WILLIAM H, AND FERM, JOHN C; *INITIAL RIFTING OF EUROPE AND AFRICA AND GROWTH AND FOLDING OF THE JURASSIC ATLAS SEA, MOROCCO* (*F032510 X00**); 36 MONTHS $20,700

TEXAS

RICE UNIVERSITY

BURCHFIEL, B C; *STRUCTURAL DEVELOPMENT OF THE SOUTHERN CORDILLERAN OROGEN* (*A021375 001*); 24 MONTHS $29,200

CLARK, H C; *PALEOMAGNETISM AND THE EVOLUTION OF MIDDLE AMERICA -- A STUDY OF OAXACA STATE, SOUTHWESTERN MEXICO* (*A031904*); 24 MONTHS $33,900

BAKER, DONALD R; *THE DISTRIBUTION AND NATURE OF CARBON IN IGNEOUS ROCKS AND MANTLE DERIVED MATERIALS* (*A033556*); 24 MONTHS $28,000

SOUTHERN METHODIST UNIVERSITY

BLACKWELL, DAVID D; *HEAT FLOW AND CRUSTAL RADIOACTIVITY STUDIES IN THE NORTHWESTERN U.S.* (*A011351 002*); 24 MONTHS $70,200

BLACKWELL, DAVID D; *HEAT FLOW STUDIES IN SOUTHERN MEXICO* (*A030590*); 24 MONTHS $35,300

TEXAS A & M UNIVERSITY

STANTON, ROBERT J JR; *PALEOECOLOGY OF THE MARINE PLIOCENE OF THE PACIFIC COAST* (*A030746*); 24 MONTHS $27,400

UNIV OF TEXAS AT AUSTIN

PARKER, PATRICK L; *VARIATIONS IN STABLE CARBON, OXYGEN AND NITROGEN ISOTOPE RATIOS IN NORMAL AND POLLUTED BIOGEOCHEMICAL SYSTEMS* (*A011414 001*); 24 MONTHS $44,000

MAXWELL, JOHN C; *EMPLACEMENT OF FRANCISCAN-TYPE ROCKS AND ORIGIN OF RELATED MAFIC AND ULTRAMAFIC ROCKS* (*A024522 001*); 12 MONTHS $12,400

MCBRIDE, EARLE F; *SEDIMENT PARTICLE MOTION AND THE ORIGIN OF BEDDING IN UNIDIRECTIONAL CURRENT FLOW INVESTIGATED BY USE OF HIGH SPEED MOTION PICTURE PHOTOGRAPHY* (*A030251*); 12 MONTHS $9,700

SMITH, DOUGLAS; *PETROGRAPHIC AND ELECTRON MICROPROBE STUDY OF IRON-RICH PYROXENES AND OLIVINES* (*A031063*); 18 MONTHS $23,200

BARKER, DANIEL S, AND LONG, LEON E; *PETROLOGY AND GEOCHRONOLOGY OF CENOZOIC INTRUSIVE ROCKS, TRANS-PECOS PROVINCE, TEXAS* (*A032089*); 24 MONTHS $42,700

UNIV OF TEXAS AT DALLAS

HELSLEY, CHARLES E; *PALEOMAGNETIC STUDIES ON STRATIGRAPHIC SEQUENCES OF PALEOZOIC AND MESOZOIC AGES FROM THE WESTERN U. S.* (*A015999 001*); 24 MONTHS $80,000

LANDISMAN, MARK; *MULTI-DISCIPLINARY STUDIES OF STABLE AND TECTONICALLY ACTIVE REGIONS OF THE CRUST AND UPPER MANTLE IN THE UNITED STATES* (*A025683 001*); 12 MONTHS $85,000

HALES, ANTON L; *A FIELD PROGRAM FOR THE DETERMINATION OF THE UPPER MANTLE SHEAR VELOCITY* (*A034996*); 24 MONTHS $80,000

UTAH

BRIGHAM YOUNG UNIVERSITY

BEST, MYRON G; *MANTLE-DERIVED INCLUSIONS IN BASALTS* (*A015082 001*); 24 MONTHS $25,000

HAMBLIN, W KENNETH, AND BEST, MYRON G; *K-AR DATES AND PALEOMAGNETIC MEASUREMENTS IN THE LATE CENOZOIC BASALTS IN THE WESTERN GRAND CANYON* (*A031035*); 12 MONTHS $10,000

UNIVERSITY OF UTAH

SMITH, ROBERT B, AND GOODWIN, JONATHAN H; *SEISMIC AND MAGNETIC PROFILING OF INLAND LAKES, WESTERN UNITED STATES* (*A012870 001*); 24 MONTHS $35,600

COOK, KENNETH L; *OPERATION OF UINTA BASIN SEISMOLOGICAL OBSERVATORY* (*A021120 002*); 7 MONTHS $30,000

COOK, KENNETH L; *GRAVITY STUDIES IN UTAH (INCLUDING BOUGUER GRAVITY MAP OF UTAH)* (*A030182*); 24 MONTHS $16,000

NACKOWSKI, MATTHEW P, AND WARD, STANLEY H; *MULTIFREQUENCY ELECTROMAGNETIC EXPLORATION* (*A031021*); 18 MONTHS $42,800

SHUEY, RALPH T; *QUANTITATIVE INTERPRETATION OF REGIONAL MAGNETIC ANOMALIES* (*A031300*); 24 MONTHS $17,600

WARD, STANLEY H, NASH, WILLIAM P, AND SHUEY, R T; *STUDY OF ELECTRICAL PROPERTIES OF ROCKS AND ORES* (*A031571*); 24 MONTHS $50,000

PERLA, RONALD I; *AN INVESTIGATION OF THE STRESS IN NATURAL SNOW SLABS* (*A031851*); 12 MONTHS $12,500

VIRGINIA

VIRGINIA POLYTECHNIC INSTITUTE

GILBERT, M CHARLES; *EXPERIMENTAL DETERMINATION OF AMPHIBOLE STABILITY AND AMPHIBOLE MISCIBILITY GAPS* (*A012479 001*); 24 MONTHS $51,800

GIBBS, G V, AND RIBBE, P H; *BONDING IN MINERALS WITH TETRAHEDRAL IONS* (*A030864 X00*); 12 MONTHS $55,800

SINHA, AKHAURY K, AND GLOVER, LYNN III; *U-PB GEOCHRONOLOGY OF THE CENTRAL AND SOUTHERN APPALACHIANS AND PB-U-TH STUDIES OF IRON METEORITES* (*A031418*); 12 MONTHS $34,800

HEWITT, DAVID A; *EXPERIMENTAL STUDY OF BIOTITE PHASE EQUILIBRIA* (*A032267*); 24 MONTHS $39,700

BLOSS, F DONALD; *NEW THERMO-OPTICAL TECHNIQUES AND THEIR APPLICABILITY TO CORDIERITE AND FELDSPAR PROBLEMS* (*A032444*); 24 MONTHS $34,500

WASHINGTON

UNIVERSITY OF WASHINGTON

PORTER, STEPHEN C; *VOLCANIC STRATIGRAPHY AND GEOCHRONOLOGY, WEST RIFT ZONE OF MAUNA KEA VOLCANO, HAWAII* (*A020320 001*); 12 MONTHS $11,600

EVANS, BERNARD W; *PETROLOGIC STUDIES OF ULTRAMAFIC ROCKS* (*A029767 001*); 12 MONTHS $30,000

HENNES, R G; *INTERNATIONAL CONFERENCE ON MICROZONATION* (*K033312**); 12 MONTHS $6,000

WESTERN WASHINGTON STATE COLLEGE

BABCOCK, R S, AND BROWN, E H; *ORIGIN OF MIGMATITES IN THE GRAND CANYON* (*A031232*); 24 MONTHS $28,700

BECK, MYRL E JR; *ROCK MAGNETISM AND TECTONICS OF THE TWIN SISTERS DUNITE* (*A031895*); 12 MONTHS $8,100

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

GUIDOTTI, CHARLES V; *PETROLOGY AND MINERALOGY OF THE PELITIC SCHISTS OF NORTHWESTERN MAINE* (*A013415 001*); 24 MONTHS $25,400

CRADDOCK, CAMPBELL; *MECHANICS AND HISTORY OF THE DENALI FAULT, ALASKA* (*A028966 001*); 24 MONTHS $50,000

BENTLEY, CHARLES R; *STUDY OF IMPROVEMENTS IN MAGNETOTELLURIC ANALYSIS AND MODELING TECHNIQUES* (*A030771*); 12 MONTHS $39,000

DOTT, R H JR; *MODERN AND ANCIENT GEOSYNCLINAL SEDIMENTATION* (*A031421*); 12 MONTHS $15,600

BAILEY, STURGES W; *STRUCTURES OF LAYER SILICATE MINERALS* (*A034918*); 24 MONTHS $27,500

UNIVERSITY OF WISCONSIN, MILWAUKEE

WOLD, RICHARD J; *SUB-BOTTOM SEISMIC PROFILING OF INLAND LAKES* (*A030768*); 12 MONTHS $53,400

WYOMING

UNIVERSITY OF WYOMING

SMITHSON, SCOTT B; *THREE-DIMENSIONAL STUDIES OF GRANITIC PLUTONS* (*A012871 001*); 24 MONTHS $30,900

SHIVE, PETER N; *MOSSBAUER STUDIES OF MAGNETIC MINERALS* (*A015732 001*); 24 MONTHS $33,000

SURDAM, RONALD C; *THE DEPOSITIONAL ENVIRONMENT OF THE GREEN RIVER FORMATION* (*A033789*); 24 MONTHS $33,100

OCEANOGRAPHY

PHYSICAL OCEANOGRAPHY AND MARINE CHEMISTRY

ALASKA

UNIVERSITY OF ALASKA-INSTITUTE OF MARINE SCIENCE

KINNEY, P J, AND HOSKINS, L C; *TRANSITION METAL COMPLEXATION IN SEA WATER* (*A031174*); 12 MONTHS $51,400

ROYER, THOMAS C; *EVALUATION OF LONG PERIOD SURFACE WAVES IN THE GULF OF ALASKA* (*A031534*); 24 MONTHS $104,800

MCROY, C PETER, AND GOERING, JOHN J; *OCEANOGRAPHY OF THE BERING SEA- PHASE II- PRIMARY PRODUCTIVITY AND FOOD CHAINS OF MARINE MAMMALS* (*A033387 001**); $5,000

CALIFORNIA

UNIVERSITY OF CALIFORNIA, DAVIS

MYRUP, LEONARD O, POWELL, THOMAS, RICHERSON, PETER J, AND MORGAN, DONALD L; *SPATIAL AND TEMPORAL DISTRIBUTION OF LAKE PLANKTON* (*A034099*); 18 MONTHS $84,700

UNIVERSITY OF CALIFORNIA, LOS ANGELES

KAPLAN, ISAAC R, AND VEN-YAAKOV, S; *MECHANISMS FOR CARBONATE SOLUTION IN THE OCEANS* (*A034104**); 12 MONTHS $25,000

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCRIPPS INSTITUTION OF OCEANOGRAPHY

SHEPARD, F P; *NATURE AND VELOCITY OF CURRENTS IN SUBMARINE CANYONS AND THEIR MARGINS* (*A019492 001*); 12 MONTHS $24,800

SMITH, RAYMOND C; *MEASUREMENT OF RADIANCE DISTRIBUTIONS IN NATURAL WATERS* (*A019738 002*); 12 MONTHS $32,900

TYLER, JOHN E; *HYDROLOGIC OPTICS* (*A019830 002*); 12 MONTHS $73,900

CHOW, T J; *LEAD POLLUTANTS IN NEAR SHORE MARINE ENVIRONMENTS* (*A026301 001*); 12 MONTHS $46,000

KEELING, CHARLES D; *THE ABUNDANCE OF CARBON DIOXIDE IN THE ATMOSPHERE AND ITS EXCHANGE WITH THE OCEANS* (*A031324 X00**); 12 MONTHS $52,000

CONNECTICUT

YALE UNIVERSITY

VERONIS, GEORGE; *PHYSICAL OCEANOGRAPHY AND GEOPHYSICAL FLUID DYNAMICS* (*A025723 001*); 12 MONTHS $73,100

BERNER, ROBERT A; *DISSOLUTION KINETICS AND SURFACE CHEMISTRY OF CALCIUM CARBONATE IN SEA WATER* (*A030288 X00*); 12 MONTHS $57,300

VERONIS, GEORGE; *THEORETICAL-NUMERICAL MODELS OF OCEAN CIRCULATION FOR USE WITH TRACER DISTRIBUTIONS* (*A032179*); 12 MONTHS $22,100

DELAWARE

UNIVERSITY OF DELAWARE

KUPFERMAN, STUART L; *MEASUREMENT OF THE RESIDENCE TIME OF WATER ABOVE THE MAIN THERMOCLINE IN THE NORTH ATLANTIC BY MEANS OF A TRACER TECHNIQUE* (*A028752 X01*); 12 MONTHS $37,000

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS (01AWDS)*; $34,869

NATIONAL ACADEMY OF SCIENCES

VETTER, RICHARD C; *SUPPORT OF THE SCIENTIFIC COMMITTEE ON OCEANIC RESEARCH (C310068 009)*; 12 MONTHS $5,000

DEPARTMENT OF NAVY-OFFICE OF NAVAL RESEARCH

KIRWAN, A DENNIS; *SUPPORT OF THE COMMITTEE ON OCEANOGRAPHY OF THE NATIONAL ACADEMY OF SCIENCES (AG00221 002*)*; 12 MONTHS $5,000

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

HEINDL, L A; *U. S. NATIONAL COMMITTEE FOR THE INTERNATIONAL HYDROLOGICAL DECADE (C310153 005*)*; 12 MONTHS $30,000

FLORIDA

FLORIDA STATE UNIVERSITY

HSUEH, Y; *THE STUDY OF BOUNDARY JETS IN A ROTATING WATER TUNNEL WITH APPLICATION TO OCEAN CURRENTS (A026563 001)*; 12 MONTHS $20,000

O'BRIEN, JAMES J; *DYNAMIC MODELS OF THE CONTINENTAL SHELF CIRCULATION (1) (A029734 001)*; 12 MONTHS $46,000

NOVA UNIVERSITY

NIILER, PEARN P, AND MOORE, DENNIS W; *PLANETARY AND INTERNAL GRAVITY WAVES (A014688 002)*; 12 MONTHS $73,600

WEATHERLY, GEORGES L; *STUDY ON THE TIME-DEPENDENT TURBULENT EKMAN LAYER (A031778)*; 8 MONTHS $13,800

RICHARDSON, WILLIAM S, NIILER, PEARN P, AND WIMBUSH, MARK; *EXPERIMENTAL STUDIES OF THE GENERATION OF WATER MOVEMENTS ON THE CONTINENTAL SHELF BY STRONG METEOROLOGICAL DISTRUBANCES (A034149)*; 12 MONTHS $270,600

UNIVERSITY OF FLORIDA-ENGINEERING & INDUSTRIAL EXPERIMENT STATION

SHEMDIN, O H; *LABORATORY INVESTIGATION OF GENERATION AND GROWTH OF WIND WAVES (K031205 001*)*; $39,500

UNIVERSITY OF MIAMI-SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES

MILLERO, FRANK J; *STUDY OF IONIC INTERACTIONS IN SEAWATER (A017386 002)*; 24 MONTHS $81,100

MOOERS, CHRISTOPHER N K; *OCEANIC FRONTS AND THEIR PERTURBATIONS (A027940 X01)*; 12 MONTHS $26,100

ESTOQUE, M A; *MESOMETEOROLOGICAL EFFECTS OF LAKE ONTARIO (A032202)*; 12 MONTHS $52,300

ROOTH, CLAES, AND OSTLUND, GOTE; *STUDIES OF OCEANIC EXCHANGE BASED ON THE GLOBAL TRITIUM TRANSIENT (A032988 X00)*; 12 MONTHS $67,000

SEGAR, DOUGLAS A; *STUDIES OF THE CHEMISTRY OF SEAWATER OVERLYING AREAS OF HIGH HEAT FLOW (A033003)*; 12 MONTHS $28,400

DUING, WALTER; *EXCHANGE PROCESSES ON CONTINENTAL SHELVES INDUCED BY BAROTROPIC AND BAROCLINIC LONG WAVES (A034009)*; 12 MONTHS $215,600

HAWAII

UNIVERSITY OF HAWAII

CHAVE, KEITH E, AND KAY, E ALISON; *ECOLOGICAL AND GEOLOGICAL STUDIES OF FANNING ISLAND (A031311*)*; 12 MONTHS $21,650

ILLINOIS

UNIVERSITY OF CHICAGO

PLATZMAN, GEORGE W; *GLOBAL OSCILLATIONS OF THE WORLD'S OCEANS (A015995 001)*; 24 MONTHS $94,800

MARYLAND

NONE; *OTHER PROGRAM AWARDS (01AWDS)*; $2,165

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

AUSTIN, THOMAS S; *WORLD DATA CENTER A FOR OCEANOGRAPHY (AG00327)*; 12 MONTHS $102,100

MASSACHUSETTS

AMHERST COLLEGE

BENSON, BRUCE B; *MASS SPECTROMETRIC AND MANOMETRIC STUDIES OF THE OCEANS AND THE ATMOSPHERE (A023337 002)*; 12 MONTHS $61,300

HARVARD UNIVERSITY

LI, YUAN-HUI; *DETERMINATION OF THE APPARENT DISSOCIATION CONSTANTS OF CARBONIC ACIDE (K1' AND K2') IN SEA WATER (A030417)*; 12 MONTHS $16,100

SIEVER, RAYMOND; *THE DISTRIBUTION OF CADMIUM IN THE OPEN NORTH ATLANTIC OCEAN (A033001)*; 24 MONTHS $19,500

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

STOMMEL, HENRY M; *RESEARCH IN OCEANIC PHYSICS (A030729 X00)*; 12 MONTHS $176,900

WUNSCH, CARL; *SEA LEVEL AND TIDES (A032979)*; 12 MONTHS $44,500

WOODS HOLE OCEANOGRAPHIC INSTITUTION

BREWER, PETER G, AND SPENCER, DEREK W; *TRACE ELEMENT DISTRIBUTIONS IN THE OCEAN (A013574 001)*; 24 MONTHS $106,700

BRUCE, JOHN G; *STUDY OF THE SOMALI CURRENT AND ASSOCIATED CIRCULATION DURING THE SOUTHWEST MONSOON (A017329 001)*; 12 MONTHS $34,000

VOORHIS, ARTHUR D; *ACOUSTIC DROPSONDE TO STUDY THE OCEANIC CIRCULATION (A018533 001)*; 6 MONTHS $7,600

METCALF, WILLIAM G; *CARIBBEAN SEA INFLOW INVESTIGATION (A027939 001)*; 6 MONTHS $103,000

SAYLES, FREDERICK L; *SEA WATER - SEDIMENT INTERACTION-THE DIFFUSIVE FLUXES OF IONS BETWEEN THE OCEANS AND THE UNDERLYING SEDIMENTS (A0323[illegible]*)*; 12 MONTHS $19,150

MICHIGAN

UNIVERSITY OF MICHIGAN

MONHAN, EDWARD C; *DOCTORAL DISSERTATION RESEARCH IN OCEANOGRAPHY (A032557)*; 6 MONTHS $2,600

NEVADA

DESERT RESEARCH INSTITUTE

TELFORD, JAMES W; *APPLICATION OF THE BUFFALO RESEARCH SYSTEM TO ATTAIN IFYGL LAKE METEOROLOGY OBJECTIVES (A032206)*; 12 MONTHS $79,300

NEW JERSEY

PRINCETON UNIVERSITY

STEGEN, GILBERT R; *THREE-DIMENSIONAL STRUCTURE OF THE THERMOCLINE (A031970)*; 12 MONTHS $21,400

NEW YORK

CORNELL AERONAUTICAL LABORATORY

PIECH, KENNETH R; *OPTICAL PROPERTIES OF LAKE ONTARIO (A032207)*; 12 MONTHS $36,500

UNIVERSITY OF ROCHESTER

DIMENT, WILLIAM H; *TRANSPORT PROCESSES WITHIN THE ROCHESTER EMBAYMENT OF LAKE ONTARIO (A032209)*; 12 MONTHS $78,600

COLUMBIA UNIVERSITY-LAMONT-DOHERTY GEOLOGICAL OBSERVATORY

BROECKER, WALLACE S; *GAS EXCHANGE RATE STUDIES (A033124)*; 12 MONTHS $52,500

NEW YORK UNIVERSITY-UNIVERSITY HEIGHTS CENTER

FREY, HENRY R; *INVESTIGATION OF NATURALLY OCCURRING WATERBORNE TURBULENCE BY STEREOPHOTOGRAMMETRY (A025724)*; 12 MONTHS $22,500

OHIO

UNIVERSITY OF CINCINNATI

MARK, HARRY B JR; *IN SITU ANALYSIS OF TRACE METAL IONS IN SEA WATER SYSTEMS (A025563 001)*; 12 MONTHS $12,100

OREGON

OREGON STATE UNIVERSITY

BYRNE, JOHN V; *AIR-SEA GAS EXCHANGE OFF OREGON (A012113 002)*; 2 MONTHS $10,000

NESHYBA, STEVE, AND NEAL, V T; *NATURE AND CAUSES OF THE LAMINAR STRUCTURE (A027342 001)*; 12 MONTHS $50,100

CALDWELL, DOUGLAS R; *TIME FLUCTUATIONS IN OCEAN CURRENTS (A030712)*; 24 MONTHS $48,100

PENNSYLVANIA

PENNSYLVANIA STATE UNIVERSITY

ALLEN, JOHN S; *THREE-DIMENSIONAL MODEL OF UPWELLING IN A STRATIFIED OCEAN (A030592)*; 24 MONTHS $58,100

PANOFSKY, HANS A; *STRUCTURE OF TURBULENCE (A032203)*; 12 MONTHS $46,400

RHODE ISLAND

UNIVERSITY OF RHODE ISLAND

LAMBERT, RICHARD B JR, AND STERN, MELVIN E; *STUDIES OF VERTICAL MIXING IN THE OCEAN (A027272 001)*; 12 MONTHS $49,900

UNIVERSITY OF RHODE ISLAND-GRADUATE SCHOOL OF OCEANOGRAPHY

KESTER, DANA R; *THE COLLIGATIVE PROPERTIES OF SEAWATER (A019940 001)*; 12 MONTHS $19,100

PILSON, MICHAEL E Q; *DIFFUSION FROM SEDIMENTS* (A023414 001*); 24 MONTHS $19,100

DUCE, ROBERT A; *SYMPOSIUM ON NON-GASEOUS CHEMICAL TRANSPORT FROM OCEAN TO ATMOSPHERE* (A030550); 12 MONTHS $6,400

KNAUSS, JOHN A; *OBSERVATIONS OF EQUATORIAL CURRENTS IN THE ATLANTIC OCEAN* (A033040); 24 MONTHS $35,000

PILSON, MICHAEL E Q; *ARSENIC SPECIATION IN SEAWATER* (A034097); 24 MONTHS $30,800

TEXAS

GULF UNIVERSITY RESEARCH CONSORTIUM

BILHORN, THOMAS W; *THE DYNAMICS OF CIRCULATIONS ON A CONTINENTAL SHELF* (A034008); 12 MONTHS $38,000

TEXAS A & M UNIVERSITY

JEFFREY, LELA M; *ORGANIC COMPOSITION OF NATURAL WATERS* (A033111); 12 MONTHS $32,300

UTAH

UNIVERSITY OF UTAH

LIN, ANCHING; *AN IN-SITU STUDY OF DIFFUSION IN THE HALOCLINE OF THE GREAT SALT LAKE* (A030863); 18 MONTHS $31,300

WASHINGTON

LARSEN, LAWRENCE; *OTHER PROGRAM AWARDS* (01AWDS); 18 MONTHS $43,500

UNIVERSITY OF WASHINGTON

COACHMAN, LAWRENCE K; *PHYSICAL OCEANOGRAPHY OF THE BERING SEA* (A011147 001); 24 MONTHS $135,400

SMITH, J DUNGAN; *A FIELD INVESTIGATION OF TIDAL AND RIVER FLOW OVER NON-UNIFORM BOUNDARIES* (A014178 002*); 24 MONTHS $64,600

RATTRAY, MAURICE JR, AND LARSEN, LAWRENCE H; *MARINE HYDRODYNAMICS* (A022692 002); 4 MONTHS $11,700

LEE, FANG AN; *STUDIES IN WIND-GENERATED WAVES* (A026161 001); 12 MONTHS $20,400

RATTRAY, MAURICE JR, AND LARSEN, LAWRENCE H; *STUDIES IN MARINE HYDRODYNAMICS* (A030745 X00); 12 MONTHS $109,600

EWART, TERRY E; *OPEN OCEAN DIFFUSION STUDIES* (A031310); 12 MONTHS $56,000

BUSINGER, JOOST A; *INTERNATIONAL FIELD YEAR OF THE GREAT LAKES* (A032205); 12 MONTHS $60,800

HASSELMANN, ERWIN D; *EXPONENTIAL GROWTH OF WAVES GENERATED BY A TURBULENT WIND* (A033179); 12 MONTHS $21,000

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

LYONS, WALTER A; *THE USE OF SATELLITE AND SURFACE ALL-SKY PHOTOGRAPHY DATA IN DETERMINING THE SOLAR INSOLATION CLIMATOLOGY OF LAKE ONTARIO* (A032208); 12 MONTHS $36,900

GREEN, THEODORE III, AND RAGOTZKIE, ROBERT A; *STUDY OF THE KEWEENAW CURRENT AND ITS ROLE IN THE CIRCULATION OF LAKE SUPERIOR* (A033140); 18 MONTHS $141,100

UNIVERSITY OF WISCONSIN, MILWAUKEE

RAO, DESIRAJU B; *NUMERICAL STUDIES IN THE CIRCULATIONS AND STORM SURGES IN LAKE ONTARIO* (A032204); 12 MONTHS $27,900

GEOLOGICAL OCEANOGRAPHY

CALIFORNIA

CALIFORNIA STATE UNIVERSITY, HUMBOLDT

GARLICK, G DONALD; *STABLE ISOTOPE STUDY OF AUTHIGENIC PHASES ON THE EAST PACIFIC RISE* (A032516); 24 MONTHS $6,000

STANFORD UNIVERSITY

COX, ALLAN V; *SEARCH FOR SHORT GEOMAGNETIC POLARITY INTERVALS IN MARINE MAGNETIC PROFILES* (A030620); 24 MONTHS $46,900

UNIVERSITY OF CALIFORNIA, BERKELEY

BURLINGAME, A L; *ANALYSES OF FATTY ACIDS, HYDROCARBONS AND RELATED ORGANIC MATTER IN THE JOIDES CORES* (A024214 001); 9 MONTHS $33,900

UNIVERSITY OF CALIFORNIA, LOS ANGELES

KAPLAN, I R; *EPHEMERAL PROPERTIES OF INTERSTITIAL WATER FROM THE OCEAN SEDIMENT CORING PROGRAM - CARBON (C13/C12) AND SULFUR (S34/S32) MEASUREMENTS ON DISSOLVED COMPONENTS* (A020715 001); 6 MONTHS $15,900

KAPLAN, ISAAC R, AND VEN-YAAKOV, S; *MECHANISMS FOR CARBONATE SOLUTION IN THE OCEANS* (A034104*); 12 MONTHS $25,000

UNIVERSITY OF CALIFORNIA, SAN DIEGO

SPIESS, F N, AND MUDIE, J D; *SAMOAN PASSAGE STUDIES* (A033228); 24 MONTHS $55,000

UNIVERSITY OF SOUTHERN CALIFORNIA

GORSLINE, D S, AND DRAKE, D E; *SUSPENDED SEDIMENT STUDIES-SUBMARINE CANYONS AND CALIFORNIA CONTINENTAL MARGIN* (A022842 001); 12 MONTHS $29,100

GORSLINE, DONN S; *TECTONIC AND SEDIMENTOLOGICAL INVESTIGATION OF A PORTION OF THE PACIFIC CONTINENTAL MARGIN OFF BAJA CALIFORNIA* (A025233 001); 12 MONTHS $9,600

BANDY, ORVILLE L; *PALEO-OCEANOGRAPHIC INTERPRETATION OF SOME UNUSUALLY COMPLETE RED SEA CORES* (A030492); 12 MONTHS $9,100

HENYEY, THOMAS L; *THERMAL AND SEISMIC STUDIES ALONG THE CONTINENTAL BORDERLAND OF CALIFORNIA AND NORTHWESTERN MEXICO* (A030633); 12 MONTHS $24,100

BANDY, ORVILLE L; *VARIATIONS IN THE ZONATION OF FORAMINIFERIDA, RADIOLARIIDA, AND NANNOPLANKTON IN SELECTED CORES FROM OCEANIC BASINS* (A034145); 12 MONTHS $35,100

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCRIPPS INSTITUTION OF OCEANOGRAPHY

RAITT, RUSSELL W, AND SHOR, GEORGE G JR; *SEISMIC ANISOTROPHY OF THE PACIFIC MANTLE* (A019703 002); $3,500

SHOR, GEORGE G JR, AND RAITT, RUSSELL W; *MARINE SEISMIC REFRACTION, ANISOTROPY AND STRUCTURAL STUDIES* (A019703 003); 12 MONTHS $86,400

WINTERER, JACQUELINE M; *BATHYMETRY OF THE SOUTH PACIFIC* (A027133 001); 24 MONTHS $53,700

VACQUIER, VICTOR, AND SCLATER, JOHN G; *OCEANIC HEAT-FLOW MEASUREMENTS AND ABYSSAL TEMPERATURE VERSUS DEPTH PROFILES* (A029159 X01); 12 MONTHS $35,000

DAVIES, THOMAS A; *GEOLOGICAL AND GEOPHYSICAL INVESTIGATIONS IN THE WESTERN NORTH PACIFIC* (A030128); 12 MONTHS $15,000

HAWKINS, JAMES W JR; *GEOLOGIC AND GEOPHYSICAL STUDIES - LAU BASIN* (A030315); 12 MONTHS $14,900

RIEDEL, WILLIAM R; *TAXONOMIC AND STRATIGRAPHIC INVESTIGATION OF RADIOLARIANS IN SEDIMENT SEQUENCES MOSTLY FROM THE SEA-FLOOR* (A031284 X00); 12 MONTHS $45,000

COX, CHARLES S, PARKER, ROBERT L, AND VACQUIER, V; *ELECTROMAGNETIC STUDIES OF THE OCEAN LITHOSPHERE AND OF THE OCEAN WATER CURRENTS AT THE MODE 1 SITE* (A031342*); 24 MONTHS $184,800

SPIESS, F N, AND MUDIE, J D; *INVESTIGATION OF FINE-SCALE ASPECTS OF THE DEEP-SEA FLOOR* (A031377 X00); 12 MONTHS $115,000

RIEDEL, WILLIAM R; *CURATING OF THE DEEP-SEA GEOLOGICAL COLLECTIONS AT SCRIPPS INSTITUTION OF OCEANOGRAPHY* (A032177); 12 MONTHS $22,200

SCLATER, JOHN G, HAWKINS, JAMES W JR, AND WINTERER, EDWARD L; *GEOLOGICAL AND GEOPHYSICAL INVESTIGATIONS ON THE GALAPAGOS RIFT ZONE* (A033227); 19 MONTHS $90,000

GIESKES, JORIS M; *GEOCHEMICAL STUDIES OF MARINE SEDIMENTS AND THEIR INTERSTITIAL WATERS* (A033229); 24 MONTHS $32,900

CONNECTICUT

YALE UNIVERSITY

ARMSTRONG, RICHARD L, AND TUREKIAN, KARL K; *AR40/AR39 DATING OF MARINE VOLCANICS AND SEDIMENTS* (A030278); 12 MONTHS $4,600

DELAWARE

UNIVERSITY OF DELAWARE

GLASS, BILLY P; *GEOGRAPHICAL DISTRIBUTION, AGE OF DEPOSITION AND PHYSICAL AND CHEMICAL PROPERTIES OF DEEP-SEA MICROTEKTITES* (A033477); 12 MONTHS $9,300

DISTRICT OF COLUMBIA

DEPARTMENT OF NAVY-OFFICE OF NAVAL RESEARCH

KIRWAN, A DENNIS; *SUPPORT OF THE COMMITTEE ON OCEANOGRAPHY OF THE NATIONAL ACADEMY OF SCIENCES* (AG00221 002*); 12 MONTHS $5,000

FLORIDA

UNIVERSITY OF MIAMI

FISHER, DAVID E; *POTASSIUM/ARGON, RARE GAS STUDIES, AND FISSION TRACK ANALYSIS OF DEEP-SEA SAMPLES* (A015227 001); 12 MONTHS $60,000

UNIVERSITY OF SOUTH FLORIDA

PYLE, THOMAS E; *A STUDY OF THE LITHOLOGY AND AGE OF ROCKS FROM THE YUCATAN CHANNEL AND NORTHWESTERN CARIBBEAN SEA* (A031779); 6 MONTHS $5,400

UNIVERSITY OF MIAMI-SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES

NEUMANN, A CONRAD; *SHALLOW WATER CARBONATE ENVIRONMENTS AND QUATERNARY SEA LEVELS, SOUTH FLORIDA AND BAHAMAS* (*A015199 002*); 6 MONTHS $57,300

EMILIANI, CESARE; *ISOTOPIC PALEOTEMPERATURE RESEARCHES ON EARLY PLEISTOCENE AND PRE-PLEISTOCENE DEEP-SEA DRILL CORES* (*A015226 003*); 12 MONTHS $116,600

BOSTROM, KURT; *ORIGIN AND GEOCHEMICAL HISTORY OF ACTIVE RIDGE SEDIMENTS* (*A015248 002*); 12 MONTHS $70,000

EMILIANI, CESARE; *CURATING OF MARINE GEOLOGICAL COLLECTIONS AND THIN-SECTIONING OF OCEANIC ROCKS* (*A025016 001*); 12 MONTHS $22,600

BOCK, WAYNE D; *BENTHONIC FORAMINIFERA AS PALEOTECTONIC AND PALEOECOLOGIC INDICATORS IN SOME OCEAN SEDIMENT CORES INCLUDING CORES OF THE NATIONAL OCEAN SEDIMENT CORING PROGRAM* (*A027752 001*); $5,400

EMILIANI, CESARE; *ACQUISITION OF SELECTED PISTON CORES FROM THE GULF OF MEXICO AND CARIBBEAN* (*A031508*); 12 MONTHS $8,700

HAY, WILLIAM W, AND MARSZALEK, DONALD S; *IDENTIFICATION OF FOSSILS FOR PROBABILISTIC BIOSTRATIGRAPHY* (*A031969 X00*); 12 MONTHS $59,100

BONATTI, ENRICO; *PETROLOGY AND GEOCHEMISTRY OF IGNEOUS ROCKS FROM OCEANIC RIDGES* (*A034917*); 12 MONTHS $60,000

GEORGIA

SKIDAWAY INSTITUTE OF OCEANOGRAPHY

HOWARD, JAMES D; *COMPARISON OF ANCIENT AND MODERN COASTAL CLASTIC SEDIMENTARY ENVIRONMENTS* (*A030565*); 12 MONTHS $13,800

HAWAII

UNIVERSITY OF HAWAII

WOOLLARD, GEORGE P; *SCIENTIFIC SUPPORT FOR DEEP SEA DRILLING PROJECT SITE SURVEYS* (*A028341 001*); 12 MONTHS $50,000

WOOLLARD, GEORGE P; *FOR REDUCTION OF GEOPHYSICAL AND GEOLOGICAL DATA TAKEN 1970 CRUISE OVER THE DARWIN RISE* (*A030740*); 12 MONTHS $80,000

SUTTON, GEORGE, AND ANDREWS, JAMES; *ANISOTROPY AND CRUSTAL STRUCTURE IN SELECTED AREAS OF THE PANAMA BASIN* (*A033075*); 12 MONTHS $89,300

ILLINOIS

NORTHWESTERN UNIVERSITY

LERMAN, ABRAHAM; *CHEMICAL TRANSPORT MODELS IN SEDIMENTS AND WATER* (*A030769*); 12 MONTHS $14,700

LOUISIANA

LOUISIANA STATE UNIVERSITY, BATON ROUGE

PERKINS, BOB F; *DOCTORAL DISSERTATION RESEARCH IN OCEANOGRAPHY* (*A034105**); 24 MONTHS $4,400

NORTHEAST LOUISIANA UNIVERSITY

BAKER, EARL W; *INVESTIGATIONS OF THE DIAGENESIS OF CHLOROPHYLL PIGMENTS IN DEEP SEA DRILLING PROJECT CORES* (*A031718*); 9 MONTHS $15,800

MAINE

UNIVERSITY OF MAINE, ORONO

SCHNITKER, DETMAR; *ECOLOGY AND DISTRIBUTION OF ABYSSAL FORAMINIFERA* (*A030630*); 24 MONTHS $28,100

FINK, L K JR; *MARINE GEOPHYSICAL AND GEOLOGICAL INVESTIGATIONS OF THE NORTHERN LESSER ANTILLES ISLAND ARC* (*A030632*); 12 MONTHS $17,400

MASSACHUSETTS

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

FREY, F A, THOMPSON, G, AND HUNT, J; *INVESTIGATIONS OF SEA FLOOR BASALT AND BASEMENT ROCKS, (JOIDES)* (*A031244 X00*); 12 MONTHS $54,300

UNIVERSITY OF MASSACHUSETTS, AMHERST

WEBB, GREGORY W; *SEISMIC PROFILER AND SAMPLE STUDY OF GRAVITY SLIDE MASSES ON CONTINENTAL SLOPE AND RISE OFF SCOTIAN SHELF AND GRAND BANKS* (*A034818*); 3 MONTHS $2,000

WOODS HOLE OCEANOGRAPHIC INSTITUTION

SAYLES, FREDERICK L; *THE GEOCHEMISTRY OF INTERSTITIAL SOLUTIONS IN THE DEEP SEA DRILLING PROJECT CORES* (*A014523 001*); 9 MONTHS $37,000

VON HERZEN, R P, AND ERICKSON, A J; *GEOTHERMAL INVESTIGATIONS IN OCEANIC REGIONS* (*A016078 001*); 12 MONTHS $41,900

THOMPSON, GEOFFREY; *GEOCHEMICAL STUDY OF SUBMARINE WEATHERING OF ROCKS FROM THE MID-ATLANTIC RIDGE* (*A018731 001*); 12 MONTHS $17,300

HOLLISTER, CHARLES D, AND HEINMILLER, ROBERT H; *SEDIMENTATION PROCESSES AND CURRENT MEASUREMENTS ON THE ANTILLES OUTER RIDGE* (*A024872 001*); 12 MONTHS $30,100

SAYLES, FREDERICK L; *HYDROTHERMAL DEPOSITS IN THE SEDIMENTS OF THE MID-ATLANTIC RIDGE AND EAST PACIFIC RISE* (*A025804 001*); 6 MONTHS $7,400

BUNCE, ELIZABETH T; *STUDY OF THE CRUSTAL STRUCTURE OF THE OCEANS USING SEISMIC TECHNIQUES* (*A027516 002*); 12 MONTHS $70,800

VON HERZEN, RICHARD P, AND ERICKSON, ALBERT J; *GEOTHERMAL STUDIES IN DEEP-SEA DRILL HOLES* (*A028504 001*); 12 MONTHS $49,400

LUYENDYK, BRUCE P, AND BRYAN, WILFRED B; *STRUCTURE AND HISTORY OF THE NEW HEBRIDES ISLAND ARC SYSTEM* (*A028967 001*); $4,600

HONJO, SUSUMU, AND EMERY, K O; *SUSPENDED PARTICLES IN SEA WATER, QUALITATIVE, QUANTITATIVE STUDY BY ELECTRON MICROSCOPE* (*A030631*); 24 MONTHS $72,000

DEGENS, EGON T, AND VON HERZEN, RICHARD; *GEOPHYSICS AND GEOCHEMISTRY OF EAST AFRICAN LAKES* (*A030641 X00*); 12 MONTHS $73,300

BERGGREN, WILLIAM A; *CENOZOIC PALEOBIOGEOGRAPHY OF THE ATLANTIC OCEAN-CALCAREOUS PLANKTON* (*A030723 X00*); 12 MONTHS $49,900

SAYLES, FREDERICK L; *SEA WATER - SEDIMENT INTERACTION-THE DIFFUSIVE FLUXES OF IONS BETWEEN THE OCEANS AND THE UNDERLYING SEDIMENTS* (*A032323**); 12 MONTHS $19,150

UCHUPI, ELAZAR, AND BALLARD, ROBERT D; *CARBONIFEROUS AND MESOZOIC RIFT STRUCTURES OF THE GULF OF MAINE* (*A032454*); 12 MONTHS $21,500

WALL, DAVID; *BIOLOGY AND PALEONTOLOGY OF MARINE DINOFLAGELLATES AND HYSTRICHOSPHERES* (*A034106 X00**); 12 MONTHS $28,500

MICHIGAN

UNIVERSITY OF MICHIGAN

CALLENDER, EDWARD; *COLLABORATIVE RESEARCH ON THE ORIGIN OF FRESHWATER FERROMANGANESE NODULES WITH EMPHASIS ON LAKE MICHIGAN* (*A031419*); 24 MONTHS $30,000

NEW YORK

COLUMBIA UNIVERSITY

YASSO, WARREN E; *DOCTORAL DISSERTATION RESEARCH- A STUDY OF THE DISTRIBUTION OF HEAVY METALS IN THE SEDIMENTS OF LOWER NEW YORK HARBOR* (*A033076*); 12 MONTHS $2,000

STATE UNIVERSITY AT BINGHAMTON

KISSLING, DON L; *STRUCTURE, ECOLOGY, AND DEGRADATION OF THE FLORIDA BARRIER REEF* (*A030548*); 24 MONTHS $29,400

COLUMBIA UNIVERSITY-LAMONT-DOHERTY GEOLOGICAL OBSERVATORY

MCINTYRE, ANDREW, AND RUDDIMAN, WILLIAM F; *CALCAREOUS PLANKTON FOR PALEOOCEANOGRAPHIC, AND PALEOECOLOGIC INTERPRETATION* (*A014177 001*); 24 MONTHS $75,200

HAYS, JAMES D, AND COLL, ROBERT M; *BIOSTRATIGRAPHIC AND TAXONOMIC STUDIES OF LOWER TERTIARY RADIOLARIA* (*A017122 002*); $4,200

STREETER, S STEPHEN, MCINTYRE, ANDREW, AND HAYS, JAMES D; *BENTHONIC FORAMINIFERA AND SURFACE SEDIMENTS OF THE NORTH ATLANTIC BASIN* (*A025232*); 12 MONTHS $18,100

EWING, M; *GEOPHYSICAL INVESTIGATIONS ON A RESEARCH VESSEL OF LAMONT-DOHERTY GEOLOGICAL OBSERVATORY* (*A027281 001*); 12 MONTHS $527,200

EWING, JOHN I; *SURVEYS OF DSDP DRILLING SITES* (*A028338 001*); $61,600

HAYS, JAMES D; *STRATIGRAPHIC STUDIES OF DEEP-SEA SEDIMENTS* (*A029460 001*); 4 MONTHS $55,200

OPDYKE, NEIL D, AND LOWRIE, WILLIAM; *THE PALEOMAGNETISM AND MAGNETIC PROPERTIES OF MARINE SEDIMENTS* (*A030569 X00*); 12 MONTHS $36,600

SCHREIBER, EDWARD, AND DALZIEL, IAN; *INVESTIGATION OF SOUND VELOCITIES IN OCEANIC ROCKS* (*A030618*); 12 MONTHS $30,000

BRYAN, GEORGE M, AND STOLL, ROBERT D; *EFFECTS OF GAS HYDRATES ON PROPERTIES OF MARINE SEDIMENTS* (*A030881*); 12 MONTHS $35,100

BE, ALLAN W H, BATTEN, ROGER L, AND FRERICHS, WILLIAM E; *PALEOECOLOGIC AND TAXONOMIC STUDIES OF PLANKTONIC MICRO-ORGANISMS USING SCANNING ELECTRON MICROSCOPY* (*A031388 X00*); 12 MONTHS $51,000

OHIO

CASE WESTERN RESERVE UNIVERSITY

DOUGLAS, ROBERT G; *CENOZOIC ISOTOPIC TEMPERATURE ANALYSIS IN THE PACIFIC* (*A031622*); 24 MONTHS $53,100

OREGON

OREGON STATE UNIVERSITY

DYMOND, JACK R, AND HEATH, G ROSS; *PROVENANCE OF NORTH PACIFIC SEDIMENTS- A GEOCHEMICAL AND MINERALOGICAL VECTOR STUDY* (A030794 X00); 12 MONTHS $45,700

VAN ANDEL, TJEERD H; *A STUDY OF THE CENOZOIC DEPOSITIONAL HISTORY OF THE EASTERN EQUATORIAL PACIFIC BASED ON DEEP SEA DRILLING PROJECT CORES* (A031478); 24 MONTHS $70,200

KOMAR, PAUL D, AND KULM, LA VERNE D; *SEDIMENTARY FACIES AND SEDIMENTARY PROCESSES IN DEEP-SEA CHANNELS, NORTHEAST PACIFIC OCEAN* (A032122); 12 MONTHS $15,700

VAN ANDEL, TJEERD H; *DOCTORAL DISSERTATION RESEARCH IN OCEANOGRAPHY* (A033074); 24 MONTHS $6,200

PENNSYLVANIA

DREXEL UNIVERSITY

SUFFET, IRWIN H; *DOCTORAL DISSERTATION RESEARCH- IN THE ENVIRONMENTAL SCIENCES* (A033062); 12 MONTHS $5,300

RHODE ISLAND

BROWN UNIVERSITY

IMBRIE, JOHN; *ECOLOGY AND PALEOECOLOGY OF PLANKTONIC FORAMINIFERA IN THE INDIAN OCEAN AND INTER-OCEAN FAUNAL COMPARISONS* (A032255); 12 MONTHS $14,600

UNIVERSITY OF RHODE ISLAND

WATKINS, NORMAN D, AND SHAW, F; *STUDY OF A POSSIBLE RELATION BETWEEN PALEOCLIMATIC CHANGES AND VOLCANIC PARTICULATE INPUT VARIATION IN HIGH LATITUDES OF THE SOUTH PACIFIC, INDIAN OCEAN, AND NORTH ATLANTIC* (A028853 001); 12 MONTHS $33,600

HAMPTON, MONTY A; *TRANSPORT OF OCEAN SEDIMENTS BY DEBRIS FLOW* (A033077); 24 MONTHS $21,500

UNIVERSITY OF RHODE ISLAND-GRADUATE SCHOOL OF OCEANOGRAPHY

PILSON, MICHAEL E Q; *DIFFUSION FROM SEDIMENTS* (A023414 001*); 24 MONTHS $19,100

KRAUSE, DALE C, AND SCHILLING, JEAN-GUY; *SUBMARINE GEOLOGY OF THE AZORES REGION* (A030677 X00); 2 MONTHS $70,900

TEXAS

TEXAS A & M UNIVERSITY

PRESLEY, B J; *EPHEMERAL PROPERTIES OF INTERSTITIAL WATER FROM THE OCEAN SEDIMENT CORING PROGRAM* (A028506 001); 9 MONTHS $15,800

FAHLQUIST, DAVIS A, AND GANGI, ANTHONY F; *HIGH RESOLUTION, DEEP SEISMIC REFLECTION STUDIES IN THE GULF OF MEXICO AND CARIBBEAN* (A030629); 12 MONTHS $28,400

UNIV OF TEXAS AT DALLAS

MITTERER, RICHARD M; *INVESTIGATION OF CALCIFICATION MECHANISM IN SKELETAL AND NON-SKELETAL CARBONATES* (A030695); 24 MONTHS $41,300

WASHINGTON

UNIVERSITY OF WASHINGTON

SMITH, J DUNGAN; *A FIELD INVESTIGATION OF TIDAL AND RIVER FLOW OVER NON-UNIFORM BOUNDARIES* (A014178 002*); 24 MONTHS $64,600

LING, HSIN YI; *SILICOFLAGELLATES FROM THE NORTHWESTERN PACIFIC DEEP-SEA CORE SEDIMENTS* (A026499 001); 12 MONTHS $27,700

LISTER, C R B; *HEAT-FLOW VARIATIONS ACROSS TRANSFORM FAULTS AND AT RIDGE JUNCTIONS* (A027947 001); 12 MONTHS $27,000

CREAGER, JOE S; *STRATIGRAPHY OF THE UNCONSOLIDATED SEDIMENTS ON THE CONTINENTAL SHELVES OF THE LAPTEV, EAST SIBERIAN AND BERING SEAS* (A028002 001); 12 MONTHS $84,200

STERNBERG, RICHARD W; *FIELD INVESTIGATIONS OF BOUNDARY-LAYER FLOW AND SEDIMENT TRANSPORT IN THE SHALLOW MARINE ENVIRONMENT* (A028964 001); 12 MONTHS $23,600

MCMANUS, DEAN A; *TRANSPORTATION, DEPOSITION, AND ACCUMULATION OF FINE-GRAINED SEDIMENT ON A DEEP-SEA FAN* (A030537); 12 MONTHS $56,500

CARPENTER, ROY, AND PIPER, DAVID Z; *GEOCHEMICAL STUDIES OF FERROMANGANESE NODULES AND ASSOCIATED SEDIMENTARY PHASES* (A030538); 12 MONTHS $28,900

ECHOLS, RONALD J; *STUDIES ON ARCTIC SUBLITTORAL FORAMINIFERA* (A031009); 12 MONTHS $20,500

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

BOWSER, CARL J; *COLLABORATIVE RESEARCH ON THE ORIGIN OF FRESHWATER FERROMANGANESE NODULES WITH EMPHASIS ON LAKE MICHIGAN* (A031420); 24 MONTHS $34,700

WYOMING

UNIVERSITY OF WYOMING

DREVER, JAMES I; *DIAGENETIC REACTIONS OF SILICATES IN CORES TAKEN BY THE DEEP SEA DRILLING PROJECT* (A033503); 24 MONTHS $36,900

BIOLOGICAL OCEANOGRAPHY

ALASKA

UNIVERSITY OF ALASKA-INSTITUTE OF MARINE SCIENCE

MCROY, C PETER; *PRODUCTIVITY AND NUTRIENT CYCLING OF SEA GRASSES* (A030980); 24 MONTHS $45,200

MCROY, C PETER, AND GOERING, JOHN J; *OCEANOGRAPHY OF THE BERING SEA- PHASE II- PRIMARY PRODUCTIVITY AND FOOD CHAINS OF MARINE MAMMALS* (A033387); 12 MONTHS $75,000

MCROY, C PETER, AND GOERING, JOHN J; *OCEANOGRAPHY OF THE BERING SEA- PHASE II- PRIMARY PRODUCTIVITY AND FOOD CHAINS OF MARINE MAMMALS* (A033387 001*); $0

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

LOWENSTAM, HEINZ A; *NON-CARBONATE MINERALS PRECIPITATED BY MARINE ORGANISMS* (A026131 001); 12 MONTHS $50,000

CALIFORNIA STATE UNIVERSITY, SAN DIEGO

EBERT, THOMAS A; *THE ROLE OF SEA URCHINS IN THE KELP-BED COMMUNITY* (A030899); 24 MONTHS $51,400

STANFORD UNIVERSITY

GILMARTIN, MALVERN, AND KVEDER, SERGIJE; *PRIMARY PRODUCTION OF THE NORTHERN ADRIATIC SEA* (A031271 X00); 15 MONTHS $46,500

UNIVERSITY OF CALIFORNIA, DAVIS

HAMNER, WILLIAM M III; *NATURAL HISTORY OF BLUE WATER PLANKTON* (A033417); 12 MONTHS $41,700

UNIVERSITY OF CALIFORNIA, IRVINE

STEPHENS, GROVER C, AND NORTH, BARBARA B; *ROLE OF DISSOLVED ORGANIC NITROGEN IN MARINE PHYTOPLANKTON NUTRITION* (A033904 X00); 12 MONTHS $38,800

UNIVERSITY OF CALIFORNIA, SAN DIEGO

THOMAS, WILLIAM H; *EFFECTS OF NUTRIENTS ON THE GROWTH OF MARINE PHYTOPLANKTON* (A032529 X00); 12 MONTHS $54,000

BEERS, JOHN R, AND MULLIN, MICHAEL M; *HOLOGRAPHIC INSTRUMENTATION FOR MARINE PLANKTON STUDIES* (A033433); 12 MONTHS $35,300

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

CHILDRESS, JAMES J; *STUDIES ON THE ECOLOGICAL PHYSIOLOGY OF MIDWATER CRUSTACEANS* (A033232); 24 MONTHS $76,200

NOBLE, ELMER R; *PARASITISM IN DEEP BENTHIC MARINE FISHES* (A034144); 24 MONTHS $58,000

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

PIERCE, RICHARD W; *COMPARATIVE STUDY OF PHYSIOLOGICAL ADAPTATIONS OF MARINE MAMMALS* (A031297); 24 MONTHS $50,800

STANFORD UNIVERSITY-HOPKINS MARINE STATION

GILMARTIN, MALVERN; *DOCTORAL DISSERTATION RESEARCH ON A STUDY OF THE WATER MASS PHENOMENON AND ITS EFFECTS ON THE COMPOSITION OF COMMUNITIES OF MIDWATER FISHES* (A030185); 18 MONTHS $1,200

LEE, WELTON L; *DOCTORAL DISSERTATION RESEARCH IN BIOLOGICAL OCEANOGRAPHY* (A031142); 24 MONTHS $1,200

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCRIPPS INSTITUTION OF OCEANOGRAPHY

DAYTON, PAUL K; *FUNCTIONAL STUDIES OF THE ORGANIZATION OF KELP COMMUNITIES* (A030877); 24 MONTHS $69,100

FLEMINGER, ABRAHAM; *DISTRIBUTION AND BIOLOGY OF PACIFIC ZOOPLANKTON* (A031032); 12 MONTHS $13,800

MCGOWAN, JOHN A; *ECOLOGY OF SMALL SQUID IN THE EPIPELAGIC ZONE OF THE EASTERN TROPICAL PACIFIC* (A031085); 12 MONTHS $9,800

EPPLEY, RICHARD W; *KINETICS OF NITROGEN ASSIMILATION BY MARINE PHYTOPLANKTON* (A031167 X00); 12 MONTHS $66,800

HESSLER, ROBERT R; *STUDIES ON THE DEEP-SEA BENTHOS* (A031344 X00); 12 MONTHS $59,100

BADA, JEFFREY L; *AMINO ACIDS IN SEA WATER* (A031498); 12 MONTHS $33,100

BRINTON, EDWARD; *DISTRIBUTION, LIFE HISTORIES, AND BIOLOGY OF EUPHAUSIACEA AND SERGESTIDAE* (A031783); 24 MONTHS $86,200

HESSLER, ROBERT R; *DOCTORAL DISSERTATION RESEARCH- INVESTIGATIONS OF TEMPORAL AND SPATIAL VARIATION IN THE DEEP SEA BENTHOS* (A032429); 24 MONTHS $4,200

LEWIN, RALPH A; *LEAD- ITS EFFECTS ON MARINE PHYTOPLANKTON (A033230)*; 24 MONTHS $43,700

GAREY, WALTER F; *ADMINISTRATIVE AND SUPPORT FUNCTIONS OF THE ALPHA HELIX RESEARCH PROGRAM (A034948)*; 12 MONTHS $20,000

BENSON, ANDREW A; *WAX ESTERS IN THE ECONOMY OF MARINE ECOSYSTEMS (B024834 001)*; $10,800

UNIVERSITY OF THE PACIFIC-PACIFIC MARINE STATION

BLAKE, JAMES A; *LARVAL DEVELOPMENT OF MARINE INVERTEBRATES FROM THE NORTHERN CALIFORNIA COAST (A030900)*; 24 MONTHS $40,000

OBREBSKI, STEVEN; *POPULATION INTERACTIONS IN TWO MARINE TREMATODE-MOLLUSC PARASITE-HOST SYSTEMS (A033438)*; 24 MONTHS $43,300

CONNECTICUT

HASKINS LABORATORIES INC

PROVASOLI, LUIGI; *NUTRITIONAL RELATIONSHIPS AMONG MARINE ORGANISMS (A033480 X00)*; 12 MONTHS $95,400

UNIVERSITY OF CONNECTICUT

FRANKEL, LARRY; *COMMUNITY TROPHIC STRUCTURE OF ESTUARINE FORAMINIFERA (A032067)*; 24 MONTHS $15,400

YALE UNIVERSITY

HARTMAN, WILLARD D; *DOCTORAL DISSERTATION RESEARCH IN BIOLOGICAL OCEANOGRAPHY (A030979)*; 24 MONTHS $2,600

DISTRICT OF COLUMBIA

DEPARTMENT OF NAVY-OFFICE OF NAVAL RESEARCH

KIRWAN, A DENNIS; *SUPPORT OF THE COMMITTEE ON OCEANOGRAPHY OF THE NATIONAL ACADEMY OF SCIENCES (AG00221 002*)*; 12 MONTHS $5,000

FLORIDA

FLORIDA STATE UNIVERSITY

HERRNKIND, WILLIAM F; *INVESTIGATIONS OF EMIGRATIONS OF SPINY LOBSTERS, 'PANULIRUS ARGUS' (A030813)*; 12 MONTHS $36,600

UNIVERSITY OF SOUTH FLORIDA

SIMON, JOSEPH L; *REPOPULATION OF AN INTERTIDAL COMMUNITY (A0317[illegible])*; 24 MONTHS $30,700

UNIVERSITY OF FLORIDA-ENGINEERING & INDUSTRIAL EXPERIMENT STATION

ODUM, HOWARD T; *ENERGY CIRCUIT MODEL AND SIMULATION OF THE SYSTEM OF THE GULF SHELF (A029792 001)*; $3,400

UNIVERSITY OF FLORIDA-FLORIDA STATE MUSEUM

DEEVEY, GEORGIANA B; *STUDIES ON DEEP-WATER ZOOPLANKTON (A031736)*; 12 MONTHS $22,000

UNIVERSITY OF MIAMI-SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES

REEVE, MICHAEL R; *EXPERIMENTAL STUDIES ON THE BIOLOGY OF CHAETOGNATHS AND OTHER MARINE PLANKTONIC CARNIVORES (A028522 X01)*; 12 MONTHS $68,100

FELL, JACK W; *BIOLOGY OF MARINE HETEROBASIDIOMYCETOUS FUNGI (A028710 001)*; $3,600

HOUDE, EDWARD D; *GROWTH AND SURVIVAL OF LABORATORY-REARED FISH LARVAE (A034138)*; 12 MONTHS $42,000

ZILLIOUX, EDWARD J; *PRIMARY PLANKTONIC HETEROTROPHS (B019646 003)*; 24 MONTHS $91,400

GEORGIA

UNIVERSITY OF GEORGIA

PAYNE, W J; *NITRATE RESPIRATION AND NA0 INFLUENCE IN MARINE BACTERIA (A033261)*; 24 MONTHS $50,700

HAWAII

UNIVERSITY OF HAWAII

GUNDERSEN, KAARE R; *BIOLOGICAL NITROGEN TRANSFORMATIONS IN THE NORTH CENTRAL PACIFIC OCEAN (A027288 001)*; 6 MONTHS $20,500

CHAVE, KEITH E, AND KAY, E ALISON; *ECOLOGICAL AND GEOLOGICAL STUDIES OF FANNING ISLAND (A031311*)*; 12 MONTHS $21,650

YOUNG, RICHARD E; *ASPECTS OF THE ECOLOGY OF MID-WATER CEPHALOPODS FROM THE WATERS OFF OAHU, HAWAII (A033659)*; 24 MONTHS $54,700

LOUISIANA

LOUISIANA STATE UNIVERSITY, BATON ROUGE

PERKINS, BOB F; *DOCTORAL DISSERTATION RESEARCH IN OCEANOGRAPHY (A034105*)*; 24 MONTHS $4,300

MARYLAND

JOHNS HOPKINS UNIVERSITY

TAYLOR, W ROWLAND; *THE ROLE OF DIFFERENT NITROGENOUS NUTRIENTS IN THE PLANKTON ECOLOGY OF THE CHESAPEAKE BAY (A033445)*; 12 MONTHS $43,400

UNIVERSITY OF MARYLAND, BALTIMORE COUNTY

BRADLEY, BRIAN P; *POPULATION BIOLOGY OF AN ESTUARINE COPEPOD (A033628)*; 12 MONTHS $30,300

UNIVERSITY OF MARYLAND, COLLEGE PARK

VERMEIJ, GEERAT J; *AN ANALYSIS OF INTERTIDAL MOLLUSCAN MORPHOLOGY (A031777)*; 24 MONTHS $32,400

MASSACHUSETTS

BOSTON UNIVERSITY

GOLUBIC, STJEPKO; *ECOLOGY OF MARINE ENDOLITHIC ALGAE (A031168)*; 12 MONTHS $21,900

MARINE BIOLOGICAL LABORATORY

BOSCH, HERMAN F; *INVESTIGATION INTO THE BIOLOGY AND LABORATORY CULTURE OF MARINE CLADOCERA (A032130)*; 12 MONTHS $18,600

UNIVERSITY OF MASSACHUSETTS, BOSTON

YENTSCH, CHARLES S; *NITROGEN UPTAKE BY FUCUS SPIRALIS L. AND OTHER SELECTED MARINE MACROALGAE (A033495)*; 24 MONTHS $36,300

WOODS HOLE OCEANOGRAPHIC INSTITUTION

TEAL, JOHN M; *COLLABORATIVE RESEARCH IN STRUCTURE, FUNCTION AND EXPORT OF A SALT MARSH ECOSYSTEM (A028365 001)*; $8,100

JANNASCH, HOLGER W; *STUDIES ON THE MICROBIAL OXIDATION OF SULFUR COMPOUNDS IN MARINE ENVIRONMENTS (A029665 X01)*; 12 MONTHS $60,900

HONJO, SUSUMU; *BIOGEOGRAPHY, TAXONOMY AND ECOLOGY OF COCCOLITHOPHORIDS IN THE PACIFIC OCEAN (A030996)*; 24 MONTHS $70,000

SANDERS, HOWARD L; *MARINE BENTHIC BIOLOGY - OCEAN FLOOR ECOLOGY (A031105)*; 12 MONTHS $157,800

SANDERS, HOWARD L; *MARINE BENTHIC BIOLOGY - OCEAN FLOOR ECOLOGY (A031105 001)*; $2,300

HAEDRICH, RICHARD L, AND ROWE, GILBERT T; *ECOLOGY OF SUBMARINE CANYONS (A031235 X00)*; 12 MONTHS $60,000

BACKUS, RICHARD H; *DISTRIBUTION OF MESOPELAGIC FISH IN THE ATLANTIC OCEAN (A031365 X00)*; 12 MONTHS $118,400

KANWISHER, JOHN W; *BIOLOGICAL INSTRUMENTATION (A031987 X00)*; 12 MONTHS $59,500

GUILLARD, ROBERT R L; *COMPARATIVE ENVIRONMENTAL PHYSIOLOGY OF MARINE PHYTOPLANKTON (A033288)*; 24 MONTHS $124,100

JANNASCH, HOLGER W; *MICROBIAL TRANSFORMATIONS IN SEAWATER (A033405 X00)*; 12 MONTHS $56,000

VACCARO, RALPH F; *HETEROTROPHIC ACTIVITY AND THE DISTRIBUTION OF ORGANIC DERIVATIVES IN THE SEA (A033479)*; 12 MONTHS $45,000

WALL, DAVID; *BIOLOGY AND PALEONTOLOGY OF MARINE DINOFLAGELLATES AND HYSTRICHOSPHERES (A034106 X00*)*; 12 MONTHS $28,500

VACCARO, RALPH F; *HETEROTROPHIC ACTIVITY AND DISTRIBUTION OF DISSOLVED ORGANIC CARBON IN THE SEA (B016539 001)*; $550

MICHIGAN

UNIVERSITY OF MICHIGAN

MOZLEY, SAMUEL C; *PONTOPOREIA AFFINIS AND OTHER BENTHOS IN LAKE ONTARIO (A032210)*; 18 MONTHS $39,000

NEW HAMPSHIRE

UNIVERSITY OF NEW HAMPSHIRE, DURHAM

CROKER, ROBERT A; *POPULATION STUDIES OF EPIFAUNAL AND INFAUNAL MARINE AMPHIPOD CRUSTACEANS (A033743)*; 24 MONTHS $48,200

JONES, GALEN E; *THE DISTRIBUTION OF TRACE ELEMENTS IN MARINE BACTERIA (A034101)*; 12 MONTHS $43,200

NEW JERSEY

RUTGERS UNIVERSITY

LITCHFIELD, CAROL D; *THE DISTRIBUTION OF HETEROTROPHIC BACTERIA AND MINERALIZATION IN MARINE SEDIMENTS (A032440)*; 24 MONTHS $44,000

NEW MEXICO

UNIVERSITY OF NEW MEXICO

CLARK, GEORGE R II; *STUDIES IN MOLLUSCAN ECOLOGY (A033494)*; 12 MONTHS $27,500

NEW YORK

BROOKHAVEN LABORATORY

WOODWELL, G M, RICH, P H, HEUSSER, C S, AND HALL, C A S; *CARBON BUDGET OF FLAX POND ESTUARY, LONG ISLAND, NEW YORK* (*AG00375*); 24 MONTHS $210,000

CITY COLLEGE

LEE, JOHN J, AND ROSS, GEORGE G; *EDUCING AND MODELING THE FUNCTIONAL RELATIONSHIPS WITHIN SUBLITTORAL SALT MARSH EPIPHYTIC COMMUNITIES* (*A033388*); 24 MONTHS $211,800

NEW YORK ZOOLOGICAL SOCIETY

GOLD, KENNETH; *BACTERIAL ENDOSYMBIONTS AS A POSSIBLE BLOOM MECHANISM IN MARINE DINOFLAGELLATES* (*A031871*); 12 MONTHS $35,100

STATE UNIVERSITY AT STONY BROOK

LEVINTON, JEFFREY S; *GENETIC-ADAPTIVE STRATEGIES OF MARINE BIVALVIA IN GRADIENTS OF ENVIRONMENTAL VARIABILITY* (*A032421*); 12 MONTHS $24,000

COLUMBIA UNIVERSITY-LAMONT-DOHERTY GEOLOGICAL OBSERVATORY

BE, ALLAN W H, AND IMBRIE, JOHN; *THE ECOLOGY AND OCEANIC DISTRIBUTIONS OF PLANKTONIC FORAMINIFERA* (*A032129*); 12 MONTHS $35,000

NORTH CAROLINA

DUKE UNIVERSITY-MARINE LABORATORY

BARBER, RICHARD T; *RESEARCH AND TRAINING PROGRAM INVOLVING R/V EASTWARD* (*A027725 001*); 12 MONTHS $154,700

COSTLOW, JOHN D, AND JOHNSON, CHARLES A; *LIFE HISTORY STUDIES OF PROTOZOAN PARASITES IN THE BLUE CRAB, 'CALLINECTES SAPIDUS'* (*A030943*); 12 MONTHS $22,200

SUTHERLAND, JOHN P, AND KELLOGG, CHARLES W; *COMPETITIVE STRUCTURE OF HERMIT CRAB COMMUNITIES* (*A032566*); 12 MONTHS $18,200

OREGON

OREGON STATE UNIVERSITY

MCINTIRE, C DAVID; *PHYSIOLOGICAL ECOLOGY OF THE ATTACHED DIATOM ASSEMBLAGES OF YAQUINA ESTUARY, OREGON* (*A033231*); 24 MONTHS $52,600

SMALL, LAWRENCE F; *FEEDING AND ASSIMILATION NICHES FOR MARINE MICROCRUSTACEA* (*A033830*); 24 MONTHS $84,000

RHODE ISLAND

UNIVERSITY OF RHODE ISLAND-GRADUATE SCHOOL OF OCEANOGRAPHY

SWIFT, ELIJAH; *BIOLOGY OF 'PYROCYSTIS'- AN OCEANIC DINOFLAGELLATE* (*A030893*); 24 MONTHS $39,600

SMAYDA, THEODORE J; *THE CAUSES OF PHYTOPLANKTON SUCCESSION AND BLOOMS IN NARRAGANSETT BAY* (*A031319 X00*); 12 MONTHS $36,300

SIEBURTH, JOHN MCNEILL; *THE ALGAL-MICROBIAL FOOD BASE* (*A032446*); 24 MONTHS $81,500

VIRGINIA

COLLEGE OF WILLIAM AND MARY

MANGUM, CHARLOTTE P; *ADAPTATIONS OF MARINE INTERTIDAL INVERTEBRATES TO LOW OXYGEN CONDITIONS* (*A034221*); 24 MONTHS $30,600

OLD DOMINION UNIVERSITY

MARSHALL, HAROLD G; *THE DISTRIBUTION AND ECOLOGY OF PHYTOPLANKTON IN THE COASTAL WATERS OF EASTERN UNITED STATES* (*A031768*); 24 MONTHS $26,000

UNIVERSITY OF VIRGINIA

ODUM, WILLIAM E, AND ZIEMAN, JOSEPH C; *THE BASIS FOR AN ECOLOGICAL COMPARISON OF ESTUARINE MARSHES* (*A034100*); 24 MONTHS $49,900

VIRGINIA INSTITUTE OF MARINE SCIENCE

PERKINS, FRANK O; *MARINE COCCOID FUNGI AND PROTOZOA OF THE LOWER CHESAPEAKE BAY, VIRGINIA* (*A031014*); 24 MONTHS $46,900

KAZAMA, FREDERICK Y; *FUNGI ASSOCIATED WITH DECAYING 'SPARTINA' SP* (*A031899*); 24 MONTHS $25,300

WASHINGTON

UNIVERSITY OF WASHINGTON

PAINE, ROBERT T; *FAUNAL AND TROPHIC STUDIES OF AN INTERTIDAL COMMUNITY* (*A025549 001*); 24 MONTHS $37,700

THOMAS, JAMES P; *RELEASE, ASSIMILATION, AND OXIDATION OF PHYTOPLANKTON-DERIVED DISSOLVED ORGANIC MATTER* (*A030880*); 24 MONTHS $25,500

BANSE, KARL; *ROLE OF SPECIES IN ENERGY BUDGETS OF MARINE COMMUNITIES* (*A030915*); 24 MONTHS $55,800

FROST, BRUCE W; *ECOLOGICAL STUDIES ON SIBLING SPECIES OF MARINE PLANKTONIC COPEPODS* (*A030944*); 12 MONTHS $20,000

DUGDALE, RICHARD C; *PHYTOPLANKTON AND HERBIVOROUS ZOOPLANKTON PRODUCTION PROCESSES IN THE SEA* (*A031093*); 12 MONTHS $182,000

PACKARD, T T; *A STUDY OF THE RATES AND REGULATION OF BIOLOGICAL PROCESSES IN THE OCEAN, THROUGH ANALYSIS OF THE CONTROLLING ENZYMES* (*A034165*); 24 MONTHS $22,100

MATERIALS

SOLID STATE PHYSICS

ARIZONA

ARIZONA STATE UNIVERSITY

PAGE, JOHN B JR, AND WALKER, CHARLES T; *EXPERIMENTAL AND THEORETICAL STUDIES OF LATTICE VIBRATIONS IN SOLIDS* (*H034248*); 12 MONTHS $40,900

UNIVERSITY OF ARIZONA

SERAPHIN, BERNHARD O; *FIRST INTERNATIONAL CONFERENCE ON MODULATION SPECTROSCOPY* (*H033284*); 12 MONTHS $7,000

SERAPHIN, B O; *ELECTROREFLECTANCE STUDIES OF METALS* (*H034576*); 12 MONTHS $30,000

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

GOODSTEIN, DAVID L; *STUDIES IN TWO DIMENSIONAL HELIUM* (*H034682*); 12 MONTHS $34,800

STANFORD UNIVERSITY

GEBALLE, T H; *HIGH-SPEED HIGH-RESOLUTION THERMAL INVESTIGATIONS AT LOW TEMPERATURES* (*H031841*); 24 MONTHS $59,700

UNIVERSITY OF CALIFORNIA, BERKELEY

KNIGHT, WALTER D, AND PORTIS, ALAN M; *RESONANCE STUDIES OF METALLIC PARTICLES AND SURFACES* (*H032817*); 12 MONTHS $75,500

FALICOV, L M; *THEORETICAL RESEARCH ON THE ELECTRONIC PROPERTIES OF SOLIDS* (*H034438*); 24 MONTHS $47,000

KITTEL, CHARLES, AND COHEN, MARVIN L; *THEORETICAL SOLID STATE PHYSICS* (*P013632 001*); 6 MONTHS $17,800

REIF, F, AND PACKARD, RICHARD E; *LOW TEMPERATURE RESEARCH* (*P015213 001*); 24 MONTHS $75,700

HAHN, ERWIN L; *COHERENT OPTICAL PHENOMENA AND SOLID STATE SPIN RESONANCE* (*P016138 001*); 24 MONTHS $162,100

UNIVERSITY OF CALIFORNIA, IRVINE

PELLAM, JOHN R; *LOW TEMPERATURE PHYSICS* (*P010699 002*); 24 MONTHS $103,600

UNIVERSITY OF CALIFORNIA, LOS ANGELES

ORBACH, R; *AN EXPERIMENTAL STUDY OF LOCALIZED MOMENTS IN METALS* (*H031973*); 24 MONTHS $111,000

HOLSTEIN, T, ORBACH, RAYMOND L, AND PINCUS, P; *THEORETICAL STUDY OF THE PROPERTIES OF SOLIDS* (*P021290 001*); 12 MONTHS $61,200

UNIVERSITY OF CALIFORNIA, SAN DIEGO

GOODKIND, JOHN M; *EXPERIMENTS WITH QUANTUM FLUIDS* (*H031680*); 24 MONTHS $126,800

SCHULTZ, SHELDON, AND FEHER, GEORGE; *EXPERIMENTAL SOLID STATE RESEARCH* (*H031741*); 12 MONTHS $106,200

SHORE, HERBERT B; *THEORY OF INTERACTIONS BETWEEN LATTICE VIBRATIONS AND IMPURITIES IN SOLIDS* (*H034439*); 24 MONTHS $20,500

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

BARRETT, PAUL H; *MOSSBAUER STUDIES OF MATRIX ISOLATED ATOMS* (*H031653*); 24 MONTHS $90,800

WALKER, W C; *ELECTRONIC EXCITATIONS IN CONDENSED MATTER* (*H033065*); 12 MONTHS $28,200

CANNELL, DAVID S; *LIGHT SCATTERING STUDIES OF CRITICAL SYSTEMS* (*H034420*); 24 MONTHS $51,800

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

BRIDGES, FRANK; *PARAELECTRIC STUDIES IN INSULATORS* (*H034649*); 24 MONTHS $35,100

UNIVERSITY OF SOUTHERN CALIFORNIA

PORTO, SERGIO P S; *LASER EXCITED SPECTROSCOPY OF SOLIDS* (*H031770*); 12 MONTHS $72,900

FAUST, WALTER L; *PHYSICS EXPERIMENTS WITH LASER OPTICAL SOURCES* (*H032401*); 12 MONTHS $27,300

HU, CHIA-REN; *MICROSCOPIC INVESTIGATION OF SPACE-AND TIME-DEPENDENT SUPERCONDUCTIVITY* (*H034509*); 24 MONTHS $25,100

KIM, YOUNG B; *METALLURGICAL MICROSTRUCTURE STUDIES OF HIGH-FIELD SUPERCONDUCTORS AND RARE EARTH COBALT MAGNETIC MATERIALS* (*H034652*); 12 MONTHS $65,000

COLORADO

UNIVERSITY OF COLORADO

KROPSCHOT, RICHARD H; *THE THIRTEENTH INTERNATIONAL CONFERENCE ON LOW TEMPERATURE PHYSICS* (*H034574*); 6 MONTHS $8,700

SCOTT, JAMES F; *LIGHT SCATTERING STUDIES OF ANOMALOUS PHASE TRANSITIONS IN INSULATORS AND OF ELECTRON SPIN-FLIP IN WIDE BANDGAP SEMICONDUCTORS* (*H034681*); 24 MONTHS $65,000

UNIVERSITY OF DENVER-DENVER RESEARCH INSTITUTE

CARPENTER, STEVE[illegible]; *A STUDY OF INTERSTITIAL DISLOCATION INTERACTIONS IN THE BODY-CENTERED CUBIC METALS* (*P029253 001*); $3,800

CONNECTICUT

WESLEYAN UNIVERSITY

TREFNY, JOHN U; *HEAT PULSE STUDIES IN SOLIDS* (*H032244*); 24 MONTHS $77,700

YALE UNIVERSITY

WOLF, WERNER P; *MAGNETIC CRYSTALS WITH WEAK INTERACTIONS* (*H033747*); 12 MONTHS $55,500

WOLF, WERNER P; *MAGNETIC CRYSTALS WITH WEAK INTERACTIONS* (*H033747 001*); $6,400

WEAIRE, DENIS L; *THEORETICAL INVESTIGATIONS OF CRYSTAL STRUCTURES OF SOLIDS* (*P025599*); 24 MONTHS $11,900

DELAWARE

UNIVERSITY OF DELAWARE

DANIELS, WILLIAM B; *RARE GASES AND OTHER SIMPLE SYSTEMS AT HIGH PRESSURES* (*H032491 X00*); 12 MONTHS $55,000

BOER, KARL W; *FIELD - AND CURRENT - INSTABILITIES* (*H034400*); 12 MONTHS $23,900

MURRAY, R B; *CHANNELING AND RADIATION-INDUCED DEFECTS IN ALKALI HALIDE CRYSTALS* (*H034571*); 23 MONTHS $52,200

DISTRICT OF COLUMBIA

AMERICAN UNIVERSITY

CALLEN, EARL; *MAGNETIC SEMICONDUCTORS AND MAGNETIC PROPERTIES OF METAL-METAL TWO-PHASE MIXTURES* (*H034667*); 12 MONTHS $18,000

GEORGETOWN UNIVERSITY

CLINTON, WILLIAM L, AND GREGORY, WILLIAM D; *SOLID STATE PROPERTIES OF METALS VIA TUNNELING INTO SINGLE CRYSTALS-AN INTEGRATED THEORETICAL AND EXPERIMENTAL INVESTIGATION* (*H034663*); 12 MONTHS $35,000

HOWARD UNIVERSITY

CHUNG, DAVID Y; (*Y010456*); 27 MONTHS $18,700

FLORIDA

FLORIDA AGRICULTURAL AND MECHANICAL UNIVERSITY

CARR JR, SLADE L; *BLACK COLLEGES (FOUR-YEAR)* (*Y010443*); 12 MONTHS $9,400

JAIN, BUBU L; *BLACK COLLEGES (FOUR-YEAR)* (*Y010445*); 12 MONTHS $10,800

UNIVERSITY OF FLORIDA

BROYLES, ARTHUR A; *FLUIDS AS NUCLEI AND ELECTRONS* (*H03164[illegible]*); 24 MONTHS $56,100

SLATER, JOHN C; *QUANTUM THEORY OF MOLECULES AND SOLIDS* (*H032006*); 24 MONTHS $107,100

SCOTT, T A, AND ADAMS, E D; *HIGH PRESSURE AND LOW TEMPERATURE STUDIES OF CONDENSED MATTER* (*P015324 001*); 24 MONTHS $115,100

GEORGIA

GEORGIA INSTITUTE OF TECHNOLOGY

GERSCH, HAROLD A; *DYNAMICAL BEHAVIOR OF MANY PARTICLE SYSTEMS* (*H033745*); 24 MONTHS $32,700

UNIVERSITY OF GEORGIA

RIVES, JOHN E; *LOW TEMPERATURE STUDIES ON MAGNETIC INSULATORS* (*H032228*); 24 MONTHS $42,100

LANDAU, DAVID P; *MONTE CARLO STUDIES OF MAGNETIC SYSTEMS* (*H034442*); 24 MONTHS $16,100

ILLINOIS

NORTHERN ILLINOIS UNIVERSITY

KIMBALL, CLYDE W; *INTERMEDIATE PHASES OF BINARY RARE EARTH ALLOYS* (*H034440*); 12 MONTHS $19,000

NORTHWESTERN UNIVERSITY

MARCUS, JULES A; *EXPERIMENTAL DETERMINATION OF THE ELECTRONIC PROPERTIES AND STRUCTURE OF METALS* (*H034249*); 24 MONTHS $55,700

FREEMAN, ARTHUR J; *ELECTRONIC PROPERTIES OF HEAVY METALS AND THEIR COMPOUNDS* (*H034422*); 12 MONTHS $38,500

SOUTHERN ILLINOIS UNIVERSITY - CARBONDALE

BALDWIN, THOMAS O; *OBSERVATIONS OF DEFECTS IN NEARLY PERFECT CRYSTALS BY X-RAY DIFFRACTION TECHNIQUES* (*H034577*); 12 MONTHS $10,000

UNIVERSITY OF ILLINOIS AT URBANA

SATTERTHWAITE, CAMERON B; *STUDIES OF SUPERCONDUCTIVITY IN METAL-HYDROGEN SYSTEMS* (*H033381*); 12 MONTHS $40,500

SALAMON, MYRON B; *COMPARATIVE CRITICAL POINT MEASUREMENTS* (*H033750*); 24 MONTHS $29,700

EHRLICH, GERT; *NINETEENTH FIELD EMISSION SYMPOSIUM* (*H034769*); 12 MONTHS $1,500

BAYM, GORDON, AND WORTIS, MICHAEL; *PROPERTIES OF SOLIDS AND MANY PARTICLE SYSTEMS* (*P016886 001**); 24 MONTHS $39,550

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

HAKE, RICHARD R; *EXPERIMENTAL INVESTIGATION OF PHASE-TRANSITION PHENOMENA IN TYPE-II SUPERCONDUCTORS* (*H033055*); 24 MONTHS $53,700

CHASE, LLOYD L; *RAMAN SCATTERING IN SOLIDS* (*H033404*); 24 MONTHS $63,100

BRON, W E; *APPLICATIONS OF ELECTRON-LATTICE COUPLING TO DYNAMICAL PHENOMENA IN CRYSTALS* (*H034267*); 24 MONTHS $87,800

PURDUE UNIVERSITY

FISHER, P, RAMDAS, A K, AND RODRIGUEZ, S; *ELECTRONIC AND VIBRATIONAL SPECTRA OF SOLIDS* (*H032001*); 24 MONTHS $79,500

MULLEN, JAMES G; *MOSSBAUER AND DIFFUSION STUDIES IN SOLIDS* (*H033005*); 12 MONTHS $35,900

BRAY, RALPH; *BRILLOUIN SCATTERING STUDIES OF PHONON INTERACTIONS IN PIEZOELECTRIC SEMICONDUCTORS* (*H033344 X00*); 12 MONTHS $40,700

SLADEK, R J; *ULTRASONIC STUDIES OF AMORPHOUS SOLIDS AND OF SOLIDS EXHIBITING A METAL-NONMETAL TRANSITION* (*H033383*); 12 MONTHS $32,500

ASCARELLI, G, AND RODRIGUEZ, S; *THE F-CENTER IN THE ALKALI HALIDES, THE BAND STRUCTURE OF SILVER HALIDES AND IMPURITY STATES IN SEMICONDUCTORS* (*H033774*); 12 MONTHS $30,400

KEESOM, P H; *SPECIFIC HEAT OF SUPERCONDUCTIVE OSMIUM AND OF NIOBIUM IN THE MIXED STATE* (*H034403*); 24 MONTHS $30,800

GERRITSEN, A N; *TRANSPORT PROPERTIES OF DILUTE CADMIUM AND MAGNESIUM ALLOYS* (*P012633 001*); 24 MONTHS $65,700

MIEHER, ROBERT LEE; *ENDOR AND OPTICAL STUDIES OF IMPURITIES AND DEFECTS IN CRYSTALLINE SOLIDS* (*P015799 001*); 24 MONTHS $70,000

UNIVERSITY OF NOTRE DAME

TOMASCH, WALTER J; *ELECTRONIC TUNNELING FROM METALS (QUASIPARTICLE INTERFERENCE EFFECTS)* (*H034519*); 24 MONTHS $51,000

IOWA

UNIVERSITY OF IOWA

SAVAGE, WILLIAM R; *LOCALIZED MOMENTS ARISING FROM MAGNETIC IMPURITIES IN METALLIC SAMPLES* (*H034359*); 12 MONTHS $31,100

KANSAS

UNIVERSITY OF KANSAS

CULVAHOUSE, J W; *SPIN-SPIN INTERACTIONS IN INSULATING SOLIDS* (*H034582*); 24 MONTHS $68,400

KENTUCKY

UNIVERSITY OF KENTUCKY

CHRISTOPHER, JOHN E, AND GOSSICK, BEN R; *RADIATION DAMAGE IN SEMICONDUCTORS* (*H034237*); 12 MONTHS $27,200

LOUISIANA

LOUISIANA STATE UNIVERSITY, BATON ROUGE

GRENIER, C G; *ELECTRON-PHONON AND ELECTRON-ELECTRON INTERACTIONS IN METALS AND SEMICONDUCTORS* (*H032248*); 24 MONTHS $124,800

ZEBOUNI, N H; *TUNNELING SPECTROSCOPY OF ELECTRONIC STATES IN SEMICONDUCTORS AND TRANSITION METALS* (*H034516*); 24 MONTHS $40,000

LOUISIANA TECH UNIVERSITY

STEPHENSON, PAUL B; *TRIPLET-TRIPLET ABSORPTION MEASUREMENTS IN ORGANIC CRYSTALS* (*H034583*); 24 MONTHS $40,000

TULANE UNIVERSITY

MORRISS, ROBERT H; *RELATIVE INTENSITIES IN ELECTRON DIFFRACTION* (*P012580 001*); 24 MONTHS $30,100

MAINE

UNIVERSITY OF MAINE, ORONO

CLARK, ALTON H, AND TARR, CHARLES E; *ELECTRICAL PROPERTIES OF AMORPHOUS SEMICONDUCTORS AND DYNAMIC PROPERTIES OF LIQUID CRYSTALS* (*H034580*); 12 MONTHS $52,200

MARYLAND

JOHNS HOPKINS UNIVERSITY

WALKER, J C; *SOLID STATE STUDIES USING THE MOSSBAUER EFFECT* (*H034251*); 12 MONTHS $52,500

UNIVERSITY OF MARYLAND, COLLEGE PARK

BHAGAT, S M, AND ANDERSON, J R; *CARRIER SCATTERING AND FERMIOLOGY IN FERROMAGNETIC CONDUCTORS* (*H033345*); 12 MONTHS $24,100

BHAGAT, S M; *THE LAMBDA TRANSITION IN LIQUID HELIUM* (*H034434*); 24 MONTHS $40,000

PRANGE, RICHARD E, AND FALK, DAVID S; *REAL METALS IN INTERACTION WITH ELECTROMAGNETIC PROBES* (*H034709*); 6 MONTHS $3,900

MASSACHUSETTS

BRANDEIS UNIVERSITY

BERKO, STEPHAN; *POSITRON, ELECTRON AND PHOTON EXPERIMENTS* (*P014117 001*); 24 MONTHS $63,000

HARVARD UNIVERSITY

POUND, ROBERT V, *RESONANCE AND RADIATION PHYSICS* (*H031771*); 6 MONTHS $25,000

POUND, ROBERT V; *RESONANCE AND RADIATION PHYSICS* (*H031771 001*); 24 MONTHS $109,300

EHRENREICH, HENRY, AND MARTIN, PAUL C; *THEORETICAL PROBLEMS IN SOLID STATE AND STATISTICAL PHYSICS* (*H032774*); 6 MONTHS $33,900

TINKHAM, MICHAEL; *SUPERCONDUCTIVITY AND FAR INFRARED STUDIES OF SOLIDS* (*H034133 X00*); 12 MONTHS $51,500

TURNBULL, DAVID, MEYER, ROBERT B, PERSHAN, PETER S, AND DOLPHIN, DAVID H; *PHYSICAL AND CHEMICAL PROPERTIES OF ORDERED FLUIDS (LIQUID CRYSTALS)* (*H034401*); 12 MONTHS $100,000

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

GREYTAK, T J; *RAMAN SCATTERING FROM LIQUID HELIUM* (*H031993*); 24 MONTHS $98,600

STANLEY, H EUGENE; *RESEARCH IN STATISTICAL MECHANICS* (*H033772*); 24 MONTHS $12,500

SHULL, C G; *MAGNETIC ORDERING AND NEUTRON PHYSICS STUDIES* (*H034255*); 12 MONTHS $119,000

NORTHEASTERN UNIVERSITY

SHIFFMAN, CARL A, AND NEIGHBOR, JAMES E; *NEW APPLICATIONS OF THE RADIO FREQUENCY SIZE EFFECT* (*H034535*); 24 MONTHS $44,000

DWORIN, LOWELL; *STRONG CORRELATIONS IN METALS* (*P023518*); 24 MONTHS $27,900

TUFTS UNIVERSITY

MCCARTHY, KATHRYN A; *SOLID STATE SYSTEMS AND THEIR APPLICATIONS* (*H033459*); 12 MONTHS $31,400

UNIVERSITY OF MASSACHUSETTS, AMHERST

GOLDENBERG, H MARK; *MEASUREMENT OF GRAVITATIONALLY INDUCED ELECTRIC FIELDS ABOUT CONDUCTORS* (*H034307*); 15 MONTHS $18,400

ENGELSBERG, STANLEY; *EQUILIBRIUM AND TRANSPORT PROPERTIES IN MANY BODY SYSTEMS* (*H034504*); 24 MONTHS $79,800

PENCHINA, CLAUDE M; *OPTICAL PROPERTIES OF SEMICONDUCTORS AND INSULATORS IN ELECTRIC FIELDS* (*H034508*); 24 MONTHS $55,300

HALLOCK, ROBERT B; *QUANTIZED VORTEX RINGS, THE A.C. JOSEPHSON EFFECT AND OTHER ORIFICE-FLOW PHENOMENA IN HEII* (*H034554*); 24 MONTHS $33,300

FORD, NORMAN C JR, LANGLEY, KENNETH R, AND HALLOCK, ROBERT B; *QUASIELASTIC LIGHT SCATTERING FROM QUANTUM CRYSTALS* (*H034573*); 24 MONTHS $53,500

UNIVERSITY OF MASSACHUSETTS, BOSTON

RAO, D V G L N; *NONLINEAR OPTICAL PROPERTIES OF LIQUID CRYSTALS* (*H034411*); 12 MONTHS $12,000

MICHIGAN

MICHIGAN STATE UNIVERSITY

BLATT, F J, AND SCHROEDER, P A; *ELECTRONIC PROPERTIES OF METALS AND ALLOYS* (*H032954 X00*); 12 MONTHS $90,000

BASS, JACK; *ELECTRON TRANSPORT AND POINT DEFECTS IN METALS* (*H034124*); 12 MONTHS $36,000

SPENCE, R D, AND FORSTAT, HAROLD; *THE EFFECTS OF IMPURITIES ON THE MAGNETIC PROPERTIES OF CRYSTALS* (*H034435*); 24 MONTHS $40,000

HARRISON, M J, HARTMANN, W M, WOODRUFF, T O, AND KAPLAN, T A; *THEORETICAL STUDIES IN SOLID STATE PHYSICS* (*H034565*); 24 MONTHS $69,900

UNIVERSITY OF MICHIGAN

SANDERS, T M JR; *LOW-TEMPERATURE PHYSICS–MOSTLY LIQUID HELIUM* (*H033135 X00*); 12 MONTHS $54,000

WAYNE STATE UNIVERSITY

GUSTAFSON, DANIEL R; *THE ANGULAR CORRELATION OF POSITRON ANNIHILATION RADIATION* (*H034510*); 12 MONTHS $21,500

DEGRAAF, ADRIAAN M; *THE G SHIFT OF CONDUCTION ELECTRONS IN METALS AND ALLOYS* (*P017683*); 24 MONTHS $25,000

MINNESOTA

UNIVERSITY OF MINNESOTA

HALLEY, J WOODS; *THEORY OF SOLIDS AND LIQUIDS AT LOW TEMPERATURE* (*H034890*); 24 MONTHS $27,100

MISSISSIPPI

UNIVERSITY OF MISSISSIPPI

PETERS, RANDALL D; *PHONON SELF-INTERACTIONS IN FERROELECTRICS* (*P031369*); 12 MONTHS $15,800

MISSOURI

UNIVERSITY OF MISSOURI, COLUMBIA

MUHLESTEIN, LEWIS D, GINGRICH, NEWELL, TOMPSON, CLIFFORD, AND DANNER, HORACE; *ELASTIC AND INELASTIC NEUTRON DIFFRACTION STUDIES* (*H033345*); 6 MONTHS $7,000

WASHINGTON UNIVERSITY

FEENBERG, EUGENE, AND CLARK, JOHN W; *THE MICROSCOPIC THEORY OF QUANTUM FLUIDS AND EXTENDED NUCLEAR SYSTEMS* (*H034598**); 12 MONTHS $20,050

BOLEF, DAN I; *ULTRASONIC STUDIES IN SOLIDS* (*H034668*); 12 MONTHS $10,000

NORBERG, R E, AND LUSZCZYNSKI, K; *PULSED MAGNETIC RESONANCE AND OTHER STUDIES AT LOW TEMPERATURES* (*H034669*); 12 MONTHS $9,700

BOLEF, DAN I; *ACOUSTIC MAGNETIC RESONANCE* (*P016713 001*); 24 MONTHS $88,600

MONTANA

MONTANA STATE UNIVERSITY

SWENSON, ROBERT J; *SUMMER WORKSHOP IN SELECTED TOPICS IN THEORETICAL PHYSICS* (*H034856*); 12 MONTHS $3,400

NEW JERSEY

PRINCETON UNIVERSITY

CARVER, THOMAS R; *MAGNETIC AND OPTICAL PROPERTIES OF SOLIDS AND GASES* (*H034646*); 24 MONTHS $150,000

RUTGERS UNIVERSITY

LUTHI, BRUNO; *MAGNETIC MATERIALS USING ULTRASONIC TECHNIQUES* (*P016107 001*); 24 MONTHS $66,800

STEVENS INSTITUTE OF TECHNOLOGY

DAUNT, JOHN G; *BASIC AND PRACTICAL PROBLEMS IN LOW TEMPERATURE SCIENCE* (*H032016*); 12 MONTHS $103,000

ROTHBERG, GERALD M; *THE MOSSBAUER EFFECT IN STUDIES OF ELECTRONIC AND VIBRATIONAL STRUCTURE* (*H033786*); 12 MONTHS $14,500

MEISSNER, HANS; *SUPERCONDUCTIVITY* (*H033773*); 24 MONTHS $54,000

NEW MEXICO

NEW MEXICO STATE UNIVERSITY

LIEFELD, ROBERT J; *DENSITY OF CONDUCTION BAND STATES IN METALS FROM SOFT X-RAY CONTINUUM ISOCHROMATS* (*H034546*); 24 MONTHS $44,900

NEW YORK

CITY COLLEGE

SARACHIK, MYRIAM P ., AND SMITH, FREDERICK W; *MAGNETIC IMPURITY EFFECTS IN METALS* (*H034672*); 12 MONTHS $40,100

COLUMBIA UNIVERSITY

NOWICK, ARTHUR S; *DEFECTS AND DEFECT MOBILITY IN IONIC CRYSTALS* (*H034269*); 12 MONTHS $46,600

HARTMANN, SVEN R; *RESONANCE PHYSICS* (*H034407*); 12 MONTHS $40,100

CORNELL UNIVERSITY

RHODIN, THOR N; *ELECTRON AND ATOM INTERACTIONS AT CRYSTAL SURFACES* (*H031909*); 24 MONTHS $61,100

HOLCOMB, D F; *THE INSULATOR-METAL TRANSITION IN DISORDERED SYSTEMS* (*H032250*); 19 MONTHS $50,900

BLAKELY, J M; *STUDIES IN GAS ADSORPTION AND SOLUTE SEGREGATION AT SOLID SURFACES* (*H033233 X00*); 12 MONTHS $48,300

SILCOX, JOHN; *FLUX LINE STRUCTURES IN SUPERCONDUCTORS* (*H034185*); 12 MONTHS $24,600

RICHARDSON, R C; *QUANTUM CRYSTALS CONFERENCE* (*P030375*); 12 MONTHS $3,000

NELKIN, MARK; *DYNAMICAL THEORY OF DISORDERED SYSTEMS* (*P031368*); 24 MONTHS $36,900

FORDHAM UNIVERSITY

SKALSKI, STANISLAUS; *NUCLEAR MAGNETIC RESONANCE IN FERROMAGNETIC METALS AND ALLOYS* (*P023283 002*); $2,900

INSTITUTE OF ELECTRICAL & ELECTRONIC ENGRS INC

VAN REUTH, E C; *1972 APPLIED SUPERCONDUCTIVITY CONFERENCE* (*H033758*); 12 MONTHS $4,000

NEW YORK UNIVERSITY

BIRMAN, JOSEPH L; *THEORETICAL SOLID STATE PHYSICS* (*H031742*); 24 MONTHS $23,300

BIRMAN, JOSEPH L; *THEORETICAL SOLID STATE PHYSICS* (*H031742 001*); $6,800

BRANDT, WERNER; *SOLIDS BY POSITRON ANNIHILATION* (*H031910*); 24 MONTHS $104,800

LEVY, PETER M; *MAGNETO-ELASTIC AND THERMODYNAMIC BEHAVIOR OF THE RARE-EARTH PNICTIDES* (*H032422*); 12 MONTHS $33,400

LEVY, PETER M; *MAGNETO-ELASTIC AND THERMODYNAMIC BEHAVIOR OF THE RARE-EARTH PNICTIDES* (*H032422 001*); $5,000

CUMMINS, HERMAN Z; *LASER LIGHT SCATTERING STUDIES OF SOLIDS* (*H034665*); 12 MONTHS $45,000

POPE, MARTIN; *ELECTRONIC CONDUCTIVITY IN ORGANIC SOLIDS* (*P014008 001*); 24 MONTHS $53,200

STATE UNIVERSITY AT ALBANY

DAS, TARA PRASAD; *ELECTRONIC STRUCTURE AND ELECTRON-NUCLEAR HYPERFINE INTERACTIONS IN SOLID STATE* (*H034405*); 24 MONTHS $56,000

STATE UNIVERSITY AT BUFFALO

MROZOWSKI, S; *SPECIFIC HEAT ANOMALY AT 0.6DEGREES IN IRRADIATED GRAPHITE AND IN GLASSY CARBON* (*H032229*); 19 MONTHS $66,400

STATE UNIVERSITY AT STONY BROOK

GRAF, ERLEND H; *LOW TEMPERATURE STUDIES OF LIQUID* HE_3-HE_4 *MIXTURES AND SOLID HD* (*H034575*); 24 MONTHS $50,500

UNIVERSITY OF ROCHESTER

SHAW, EARL D; *DEVELOPMENT OF THE SPIN-FLIP LASER AND RAMAN SCATTERING IN SOLIDS* (*H034648*); 24 MONTHS $69,700

NORTH CAROLINA

DUKE UNIVERSITY

MEYER, HORST; *PROPERTIES OF FLUID* HE_4-HE_3 *MIXTURES AND OF SOLID* H_2 *AND* D_2 (*H032007*); 24 MONTHS $76,400

WAKE FOREST UNIVERSITY

TURNER, THOMAS J; *DEFORMED ALKALINE EARTH OXIDES UTILIZING OPTICAL ABSORPTION, DIELECTRIC AND ANELASTIC RELAXATION* (*H033744*); 24 MONTHS $35,800

NORTH DAKOTA

UNIVERSITY OF NORTH DAKOTA

SOONPAA, HENN H; *PHYSICAL PHENOMENA IN CRYSTALS CONSISTING OF A FINITE AND COUNTABLE NUMBER OF ATOMS IN ONE DIRECTION* (*H034561*); 12 MONTHS $41,400

OHIO

CASE WESTERN RESERVE UNIVERSITY

GORDON, WILLIAM L; *BAND STRUCTURE OF DILUTE ALLOYS* (*H033705 X00*); 12 MONTHS $40,000

CHANDRASEKHAR, B S; *ELECTRON TUNNELING INTO SOLIDS* (*H034409*); 12 MONTHS $45,800

SEGALL, BENJAMIN; *ELECTRONIC STRUCTURE OF SOLIDS AND THE OPTICAL PROPERTIES OF SEMICONDUCTORS* (*H034563*); 24 MONTHS $30,000

JOHN CARROLL UNIVERSITY

TRIVISONNO, JOSEPH JR; *ELECTRON AND PHONON INTERACTIONS IN METALS* (*H031652*); 24 MONTHS $46,800

KENT STATE UNIVERSITY

BROWN, GLENN H; *STRUCTURE AND PHYSICAL PROPERTIES OF LIQUID CRYSTALS* (*H034164 X00*); 12 MONTHS $125,100

OHIO STATE UNIVERSITY

EDWARDS, DAVID O; *LIQUID* HE_3-HE_4 *MIXTURES AT LOW TEMPERATURES* (*H031650*); 12 MONTHS $84,800

GAINES, JAMES R; *A STUDY OF RELAXATION, DIFFUSION, AND POLARIZATION IN THE SOLID HYDROGENS* (*H033011 X00*); 12 MONTHS $37,200

YAQUB, M, AND GARLAND, J C; *LOW TEMPERATURE TRANSPORT PHENOMENA IN METALS* (*H033385*); 12 MONTHS $40,000

MILLS, R L, AND KORRINGA, JAN; *WAVE PROPAGATION IN HETEROGENEOUS MATERIALS* (*H033748*); 12 MONTHS $32,800

WIGEN, PHILIP E; *MAGNETIC RESONANCE IN DILUTE ALLOYS AND IN THIN INSULATOR FILMS* (*H034355*); 12 MONTHS $33,900

OREGON

UNIVERSITY OF OREGON - EUGENE

LOWNDES, DOUGLAS H; *STUDIES OF ELECTRONIC SCATTERING, BONDING AND BAND STRUCTURE IN METALLIC ALLOYS AND COMPOUNDS* (*H032982*); 24 MONTHS $71,300

HIGGINS, RICHARD J; *ELECTRONIC STRUCTURE OF IMPERFECT METALLIC SYSTEMS* (*H033775*); 24 MONTHS $80,000

PARK, KWANGJAI; *OPTICAL PROPERTIES OF SOLIDS* (*H034256*); 24 MONTHS $59,400

RAYFIELD, GEORGE W; *LOW TEMPERATURE PHYSICS* (*P029659 001*); 4 MONTHS $5,000

PENNSYLVANIA

CARNEGIE-MELLON UNIVERSITY

FLINN, PAUL A; *MOSSBAUER EFFECT STUDY OF DIFFUSION IN SOLIDS* (*H033380*); 12 MONTHS $40,000

SCHUMACHER, ROBERT T, AND VANDERVEN, NED S; *MAGNETIC RESONANCE RESEARCH IN SOLIDS* (*H034308*); 24 MONTHS $96,400

BERGER, LUC; *CONDUCTION PROCESSES IN FERROMAGNETIC METALS AND ALLOYS* (*H034406*); 12 MONTHS $31,900

DEBENEDETTI, SERGIO, AND OOSTERHUIS, WILLIAM T; *SOLID STATE PROPERTIES WITH RADIOACTIVE TECHNIQUES* (*P016268 001*); 24 MONTHS $74,300

LEHIGH UNIVERSITY

FOWLER, W BEALL; *THEORY OF ELECTRONIC STATES IN COMPLEX NON-METALLIC SOLIDS* (*H033759*); 24 MONTHS $33,100

VAN SCIVER, WESLEY J; *TRANSPORT OF ENERGY, CHARGE IMPURITIES, AND OTHER LOCALIZED DEFECTS IN INSULATING SOLIDS WITH EMPHASIS ON DETECTION BY OPTICAL MEANS* (*H034518*); 24 MONTHS $40,000

PENNSYLVANIA STATE UNIVERSITY

MUELLER, ERWIN W; *RESEARCH WITH THE ATOM-PROBE FIELD ION MICROSCOPE* (*H031672*); 24 MONTHS $74,800

HENISCH, H K; *INVESTIGATION OF TRAP-LIKE LEVELS IN SEMI-INSULATING GLASSES* (*H034517*); 12 MONTHS $41,100

MCKELVEY, JOHN P; *ELECTRICAL AND OPTICAL PROPERTIES OF SEMICONDUCTOR CRYSTALS* (*H034653*); 24 MONTHS $40,000

TEMPLE UNIVERSITY

MIHALISIN, TED W; *EXPERIMENTAL STUDY OF TRANSPORT AND THERMODYNAMIC PROPERTIES NEAR MAGNETIC ORDERING TEMPERATURES* (*H034651*); 24 MONTHS $40,000

UNIVERSITY OF PENNSYLVANIA

CALLEN, HERBERT B; *STATISTICAL MECHANICS AND THEORY OF SOLIDS* (*H034556*); 7 MONTHS $17,600

UNIVERSITY OF PITTSBURGH

TOWNSEND, JOHN R; *RADIATION INDUCED DEFECTS IN METALS* (*H031991*); 24 MONTHS $64,000

LOWE, IRVING J; *TRANSIENT NUCLEAR MAGNETIC RESONANCE STUDY OF SOLIDS* (*H032861*); 24 MONTHS $108,200

GOLDBURG, WALTER I; *LIGHT SCATTERING FROM FLUIDS* (*P013178 001*); 24 MONTHS $95,000

FRANKLIN INSTITUTE-BARTOL RESEARCH FOUNDATION

CHEN, JAR-MO; *RAMAN SCATTERING STUDY OF SURFACES* (*H034662*); 24 MONTHS $45,000

PUERTO RICO

UNIVERSITY OF PUERTO RICO, MAYAGUEZ

KAY, MORTIMER I; *NEUTRON DIFFRACTION PROGRAM* (*H032964*); 12 MONTHS $82,100

RHODE ISLAND

BROWN UNIVERSITY

GLICKSMAN, MAURICE; *THE GROWTH, ELECTRICAL AND OPTICAL PROPERTIES OF NEW SEMICONDUCTING ALLOYS* (*H032400*); 12 MONTHS $46,400

BRAY, PHILIP J; *NUCLEAR MAGNETIC RESONANCE STUDIES OF THE STRUCTURE OF GLASSES* (*H033384*); 12 MONTHS $32,900

BEYER, ROBERT T; *ULTRASONIC PROPAGATION STUDIES* (*H034408*); 12 MONTHS $51,300

TAUC, JAN; *INVESTIGATION OF THE OPTICAL PROPERTIES OF CRYSTALLINE AND AMORPHOUS SOLIDS AT HIGH TEMPERATURES AND AT PHASE TRANSITIONS* (*H034368*); 24 MONTHS $54,800

WEINER, J H; *THEORY OF RATE PROCESSES IN SOLIDS* (*H034578*); 24 MONTHS $25,000

COOPER, LEON N, AND HOUGHTON, ANTHONY; *SUPERCONDUCTIVITY AND THE MANY BODY PROBLEM* (*P009445 001*); 24 MONTHS $53,200

QUINN, JOHN J; *THEORETICAL STUDY OF ELECTRON-ELECTRON INTERACTIONS AMONG THE CONDUCTION ELECTRONS IN SOLIDS* (*P012706 001*); 24 MONTHS $39,500

TENNESSEE

UNIVERSITY OF TENNESSEE, KNOXVILLE

CALLCOTT, T A; *ANGULAR EFFECTS IN PHOTOEMISSION* (*H034761*); $3,200

TEXAS

RICE UNIVERSITY

RORSCHACH, H E; *LOW TEMPERATURE AND SOLID STATE PHYSICS* (*H031691*); 12 MONTHS $30,100

TRAMMELL, GEORGE T; *THEORETICAL MOSSBAUER EFFECT STUDIES* (*H032223*); 24 MONTHS $76,600

UTAH

UNIVERSITY OF UTAH

SEWARD, WILLIAM D; *EFFECTS OF DENSITY AND PHASE CHANGES ON THE THERMAL CONDUCTIVITY OF SOLID HELIUM-4* (*H031648*); 12 MONTHS $22,200

AILION, DAVID C; *MAGNETIC RESONANCE STUDY OF ATOMIC AND MOLECULAR MOTIONS* (*H031671*); 24 MONTHS $80,900

LUTY, FRITZ; *TUNNELING PROCESSES IN CRYSTAL DEFECTS* (*H032704 X00*); 12 MONTHS $49,900

SYMKO, OREST G; *PROPERTIES OF DILUTE ALLOYS AT VERY LOW TEMPERATURES CRITICAL PHENOMENA AND NUCLEAR COOLING* (*H034250*); 24 MONTHS $52,500

WILLIAMS, G A; *LOW FREQUENCY ENERGY LOSS IN SUPERCONDUCTORS* (*H034498*); 24 MONTHS $38,100

VIRGINIA

UNIVERSITY OF VIRGINIA

HESS, GEORGE B; *SUPERFLUID PHENOMENA IN LIQUID HELIUM* (*H032746*); 24 MONTHS $40,000

RUVALDS, JOHN; *PHONON INTERACTIONS AND PHASE TRANSITIONS* (*H032747*); 24 MONTHS $29,700

CELLI, VITTORIO; *SURFACE STUDIES IN SOLIDS* (*H034404*); 24 MONTHS $40,000

DEAVER, BASCOM S JR; *MACROSCOPIC QUANTUM PHENOMENA* (*P016704 001*); 12 MONTHS $33,700

WASHINGTON

UNIVERSITY OF WASHINGTON

DASH, J G; *MONOLAYER PHYSICS* (*H033167*); 12 MONTHS $103,800

WASHINGTON STATE UNIVERSITY

DUVALL, GEORGE E; *DISLOCATIONS IN LIF UNDER SHOCK COMPRESSION* (*H034650*); 12 MONTHS $60,000

BATTELLE MEMORIAL INSTITUTE-BATTELLE NORTHWEST

HARLING, OTTO K; *HIGH MOMENTUM TRANSFER NEUTRON SCATTERING FROM LIQUID ARGON -- A MODEL-EXPERIMENT COMPARISON* (*H034226*); 12 MONTHS $10,000

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

LIN, CHUN C; *BAND STRUCTURE OF SOLIDS AND OF POINT DEFECTS IN CRYSTALS BY THE METHOD OF TIGHT BINDING (LCAO)* (*H032448 X00*); 12 MONTHS $24,400

HUBER, DAVID L; *THEORETICAL STUDIES OF THE MAGNETIC PROPERTIES OF SOLIDS* (*H033386*); 24 MONTHS $23,200

MORAN, P R; *RARE CONCENTRATION DEFECT AND DAMAGE STATE PHENOMENA IN SOLIDS* (*H034585*); 12 MONTHS $22,800

BRUCH, LUDWIG W; *THERMODYNAMICS OF HELIUM* (*P014704 001*); 24 MONTHS $26,000

YEN, WILLIAM M; *SPECTROSCOPIC STUDIES OF MAGNETICALLY ORDERED MATERIALS AND LOW TEMPERATURE ELECTRONIC PROPERTIES* (*P015426 002*); 24 MONTHS $81,800

SOLID STATE CHEMISTRY

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

DAVIDSON, NORMAN, AND SAMSON, STEN; *BASIC RESEARCH ON THE STRUCTURE OF COMPLEX INTERMETALLIC COMPOUNDS* (*H034555*), 12 MONTHS $24,200

UNIVERSITY OF CALIFORNIA, LOS ANGELES

NICOL, MALCOLM F; *STRUCTURES AND BONDING OF SOLIDS AT EXTREMELY HIGH PRESSURES* (*H033079*); 24 MONTHS $61,500

NICOL, MALCOLM F; *STRUCTURES AND BONDING OF SOLIDS AT EXTREMELY HIGH PRESSURES* (*H033079 001*); $5,000

CONNECTICUT

YALE UNIVERSITY

MCBRIDE, J MICHAEL; *THE CRYSTAL CHEMISTRY OF RADICAL PAIRS* (*H034318*); 24 MONTHS $68,200

FLORIDA

FLORIDA STATE UNIVERSITY

MANDELKERN, LEO; *THE NATURE OF THE CRYSTALLINE STATE IN POLYMERS* (*H033794*); 24 MONTHS $45,200

UNIVERSITY OF FLORIDA

BUTLER, GEORGE B; *THERMALLY STABLE FLEXIBLE POLYMERS* (*H032766*); 24 MONTHS $51,000

ESCH, T E HOGEN; *ION PAIRS AND THE STEREOCHEMISTRY OF ANIONIC POLYMERIZATION* (*H034518*); 24 MONTHS $45,400

ILLINOIS

ILLINOIS INSTITUTE OF TECHNOLOGY

WAHLBECK, P G; *INTERACTIONS OF GASES WITH SURFACES* (*P030706*); 24 MONTHS $45,000

NORTHWESTERN UNIVERSITY

LESTER, JOSEPH E; *KINETICS OF VAPORIZATION OF IONIC SOLIDS* (*P009510 001*); 24 MONTHS $35,100

UNIVERSITY OF CHICAGO

STOUT, J W; *ELECTRONIC ENERGY LEVELS IN PARAMAGNETIC CRYSTALS* (*P010733 001*); 24 MONTHS $135,300

INDIANA

PURDUE UNIVERSITY

HONIG, J M; *ELECTRICAL PROPERTIES OF SINGLE CRYSTAL NIO AND NBO* (*H034314*); 24 MONTHS $71,000

KEESOM, P H, AND HONIG, J M; *PROPERTIES OF DOPED TIO2* (*H034731*); 24 MONTHS $72,500

ANGELL, C A; *ELUCIDATION OF THERMODYNAMIC, RELAXATIONAL AND STRUCTURAL ASPECTS OF THE GLASS TRANSITION PHENOMENON* (*P030722*); 24 MONTHS $70,600

MASSACHUSETTS

UNIVERSITY OF MASSACHUSETTS, AMHERST

MACKNIGHT, WILLIAM J; *MICROPHASE SEPARATION IN SOLID ORGANIC POLYMERS CONTAINING SALT GROUPS* (*H033129 X00*); 12 MONTHS $31,200

STEIN, RICHARD S; *OPTICAL AND X-RAY STUDIES OF POLYMER RELAXATION* (*H034315 X00*); 12 MONTHS $40,100

PRICE, FRASER P; *CRYSTALLIZATION OF POLYMERS UNDER EXTREME CONDITIONS* (*H034453 X00*); 12 MONTHS $21,200

MICHIGAN

UNIVERSITY OF MICHIGAN

KOPELMAN, RAOUL; *EXCITIONS AND PHONONS IN CRYSTALLINE AND AMORPHOUS MOLECULAR SEMICONDUCTORS* (*H032578 X00*); 12 MONTHS $20,200

YEH, G S Y, AND FILISKO, FRANK E; *THERMODYNAMIC STUDIES OF ORDER IN AMORPHOUS POLYMERS* (*H033115*); 24 MONTHS $45,500

MINNESOTA

UNIVERSITY OF MINNESOTA

CONROY, LAWRENCE E; *INTERCALATION COMPLEXES OF LAYERED DICHALCOGENIDES* (*H034514*); 24 MONTHS $40,000

NEW HAMPSHIRE

DARTMOUTH COLLEGE

HORNIG, JAMES F, AND BRAUN, CHARLES L; *ENERGY TRANSFER IN MOLECULAR SOLIDS* (*H033727 X00*); 12 MONTHS $40,900

STOCKMAYER, WALTER H; *PHYSICAL CHEMISTRY OF HIGH POLYMERS* (*P030343 X00*); 12 MONTHS $54,000

UNIVERSITY OF NEW HAMPSHIRE, DURHAM

OWENS, CHARLES W; *CHEMISTRY OF SOLIDS* (*H033706 X00*); 12 MONTHS $26,400

NEW JERSEY

PRINCETON UNIVERSITY

TOBOLSKY, ARTHUR V; *POLYMER VISCOELASTICITY AND MOLECULAR WEIGHT DISTRIBUTION* (*H032745*); 24 MONTHS $56,900

NEW YORK

ADELPHI UNIVERSITY

RUDMAN, REUBEN; *CRYSTAL STRUCTURES OF PLASTIC CRYSTALS (H034354)*; 12 MONTHS $20,900

POLYTECHNIC INSTITUTE OF BROOKLYN

MORAWETZ, HERBERT; *KINETIC STUDY OF ISOMERIZATION IN BACKBONE OF POLYMER CHAINS IN THE RUBBERY AND GLASSY STATE (H033134)*; 24 MONTHS $43,300

RENSSELAER POLYTECHNIC INSTITUTE

KRAUSE, SONJA; *POLYMER COMPATIBILITY (H032955)*; 24 MONTHS $41,000

WUNDERLICH, BERNHARD; *SIMULTANEOUS POLYMERIZATION AND CRYSTALLIZATION (H033458)*; 24 MONTHS $70,000

STATE UNIVERSITY AT BUFFALO

EHRLICH, PAUL; *STRUCTURE AND PARAMAGNETISM OF CONJUGATED MACRORADICALS- CRYSTALLIZABLE POLYPHENYLACETYLENE (H034415)*; 24 MONTHS $33,800

NORTH CAROLINA

DUKE UNIVERSITY

KRIGBAUM, WILLIAM R; *X-RAY DIFFRACTION STUDIES OF POLYMERS (H032744)*; 24 MONTHS $57,700

OHIO

KOENIG, J L; *OTHER PROGRAM AWARDS (01AWDS)*; 12 MONTHS $32,000

CASE WESTERN RESERVE UNIVERSITY

LANDO, J B; *THE CRYSTAL STRUCTURES OF FLUORINE CONTAINING POLYOLEFINS (H033791)*; 24 MONTHS $37,400

BLACKWELL, J; *FINE STRUCTURE OF CELLULOSE (H034227)*; 24 MONTHS $59,800

UNIVERSITY OF AKRON

MORTON, MAURICE, MCINTYER, DONALD, MEINECKE, EBERHARD A, AND FETTERS, LEWIS J; *SYNTHESIS, STRUCTURE, THERMODYNAMIC PROPERTIES AND MECHANICAL BEHAVIOR OF BLOCK COPOLYMERS (H032583 X00)*; 12 MONTHS $41,700

OREGON

LINFIELD COLLEGE

BELL, ANTHONY E, AND SWANSON, L W; *FIELD EMISSION ENERGY DISTRIBUTION STUDY OF CLEAN AND ADSORBATE COVERED METALS (H034402)*; 12 MONTHS $21,900

OREGON STATE UNIVERSITY

WICKMAN, H HOLLIS; *MOSSBAUER INVESTIGATIONS OF METAL ION PROPERTIES IN NON-CRYSTALLINE SOLIDS (H033126)*; 24 MONTHS $45,000

SCOTT, ALLEN B; *DONOR CENTERS IN VANADIUM PENTOXIDE (H034419)*; 12 MONTHS $8,000

PENNSYLVANIA

CARNEGIE-MELLON UNIVERSITY

CASASSA, EDWARD F, AND BERRY, G C; *PROPERTIES OF POLYPHENYLENES IN SOLUTION (H028538 X01)*; 12 MONTHS $27,600

BERRY, GUY C, AND FOX, THOMAS G; *RHEOLOGICAL STUDIES ON CONCENTRATED SOLUTIONS OF POLYMERS (H032749 X00)*; 12 MONTHS $33,200

LEHIGH UNIVERSITY

FOWKES, FREDERICK M; *DEFECT CHEMISTRY OF SILICA SURFACES (H031751)*; 24 MONTHS $48,000

LEIDHEISER, HENRY JR; *CHARACTERIZATION OF HIGH-AREA AND LOW-AREA NICKEL AND NICKEL OXIDE (H032171 X00*)*; 12 MONTHS $46,600

PENNSYLVANIA STATE UNIVERSITY

MCKINSTRY, HERBERT A, AND STUBICAN, VLADIMIR S; *STRAIN AND REACTIONS IN NONMETALLIC SOLIDS (H031619)*; 24 MONTHS $33,000

SPEAR, KARL E; *SYNTHESIS, PROPERTIES, AND DEFECT CHEMISTRY OF RARE-EARTH BORIDES (H034515)*; 24 MONTHS $40,000

TEXAS

BAYLOR UNIVERSITY

MILLIGAN, W O; *LANTHANIDE AND ACTINIDE HYDROUS OXIDES AND HYDROXIDES (H034513)*; 12 MONTHS $20,800

UTAH

BRIGHAM YOUNG UNIVERSITY

HALL, H TRACY; *INORGANIC SYNTHESIS BY HIGH PRESSURE AT HIGH TEMPERATURE (H033793)*; 12 MONTHS $30,000

WASHINGTON

UNIVERSITY OF WASHINGTON

SLUTSKY, LEON J; *VAN DER WAALS INTERACTIONS IN METALS (H033707)*; 24 MONTHS $53,000

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

SCHRAG, JOHN L, AND FERRY, JOHN D; *MOTIONS AND CONFORMATIONAL PROPERTIES OF MACROMOLECULES (H033460 X00)*; 12 MONTHS $70,200

SCHRAG, JOHN L, AND FERRY, JOHN D; *MOTIONS AND CONFORMATIONAL PROPERTIES OF MACROMOLECULES (H033460 X01)*; $5,000

ENGINEERING MATERIALS

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

VAUGHAN, ROBERT W; *INVESTIGATION OF BULK AND SURFACE PROPERTIES OF MATERIALS WITH NUCLEAR MAGNETIC RESONANCE AND HIGH PRESSURE TECHNIQUES (H032517)*; 24 MONTHS $70,000

HUMPHREY, FLOYD B; *INVESTIGATIONS OF MAGNETIC FLUX REVERSAL USING A KERRMAGNETO-OPTIC CAMERA (H033831)*; 24 MONTHS $68,900

TSCHOEGL, N W; *PHYSICAL AND PHYSICOCHEMICAL BEHAVIOR OF FILLED AND UNFILLED ELASTOMERS (H034357)*; 12 MONTHS $145,500

STANFORD RESEARCH INSTITUTE

SHOCKEY, D A; *ON THE USE OF PLASTICITY-ENHANCING LIQUIDS IN FRACTURE CONTROL OF CERAMICS (H034714)*; 12 MONTHS $13,900

STANFORD UNIVERSITY

GIBBONS, JAMES F; *ION IMPLANTATIONS IN SEMICONDUCTORS (H031999)*; 24 MONTHS $77,000

PARLEE, NORMAN A D; *DIFFUSION OF GASES IN LIQUID METALS (H033038)*; 24 MONTHS $59,900

NIX, WILLIAM D, AND SHERBY, OLEG D; *A CRITICAL APPRAISAL OF THE CONTRIBUTION OF GRAIN BOUNDARY SLIDING TO HIGH TEMPERATURE CREEP OF POLYCRYSTALLINE SOLIDS (H034358)*; 12 MONTHS $45,000

POUND, GUY M; *NORMAL MODE AND MOLECULAR DYNAMICS COMPUTER CALCULATIONS OF THE FREE ENERGIES OF NUCLEI (H034448)*; 12 MONTHS $45,000

PEARSON, GERALD L; *FUNDAMENTAL STUDIES OF ALGAAS-GAAS HETEROJUNCTIONS FOR SOLAR ENERGY CONVERTERS (H034549)*; 12 MONTHS $45,000

SPICER, WILLIAM E; *SURFACE REACTIONS AND ELECTRONIC STRUCTURE OF NOBLE AND TRANSITION METALS AND ALLOYS (H034567)*; 24 MONTHS $80,000

BARRETT, CRAIG R; *STUDY OF THE STRUCTURE AND PROPERTIES OF DISPERSION HARDENED MATERIALS (K030873)*; 12 MONTHS $41,300

UNIVERSITY OF CALIFORNIA, LOS ANGELES

ARDELL, ALAN J; *PRECIPITATION HARDENING OF ORDERED ALLOYS (H031818)*; 24 MONTHS $52,000

SINES, GEORGE; *STUDY OF THE EFFECT OF ANISOTROPY ON DEFECT INTERACTIONS (H032553)*; 12 MONTHS $25,400

DE FONTAINE, DIDIER; *CLUSTERING AND ORDERING INSTABILITIES IN MULTICOMPONENT SYSTEMS (H032577)*; 24 MONTHS $58,100

TETELMAN, ALAN S; *THE RESISTANCE OF FIBROUS COMPOSITES TO THE NUCLEATION AND GROWTH OF MICROCRACKS (H034421)*; 12 MONTHS $35,000

STERN, RICHARD; *INVESTIGATION OF ULTRASONIC PROPAGATION IN MAGNETIC MATERIALS (H034458)*; 12 MONTHS $24,700

COLORADO

COLORADO SCHOOL OF MINES

BALL, BRIAN; *RESEARCH INITIATION - CONCENTRATION OF ULTRAFINE PARTICLES BY OIL PHASE (H032692)*; 18 MONTHS $16,000

CONNECTICUT

UNIVERSITY OF CONNECTICUT

AZAROFF, LEONID V; *ELECTRONIC STRUCTURE OF SUPERALLOYS (H034368)*; 12 MONTHS $60,000

GREENE, NORBERT D, ONKELINX, CLAUDE, RITLAND, GERALD D, RICHELLE, LEON J, AND WARD, PETER A; *BIOMATERIALS- IMPROVED IMPLANT ALLOYS (H034444)*; 12 MONTHS $90,000

YALE UNIVERSITY

BARKER, RICHARD C, AND YELON, ARTHUR; *FERROMAGNETIC RESONANCE RELAXATION IN METAL PLATELETS (H033006)*; 24 MONTHS $81,600

DELAWARE

UNIVERSITY OF DELAWARE

SCHULTZ, JEROLD M, AND SANDLER, STANLEY I; *THE STRUCTURE AND PROPERTIES OF LIQUIDS AND MOLTEN POLYMERS* (*H032539*); 24 MONTHS $116,000

KRAMER, JOHN J; *ENERGY LOSSES DURING CYCLIC MAGNETIZATION IN CRYSTALS OF A FERROMAGNETIC CONDUCTOR* (*K010522 001*); 24 MONTHS $55,400

DISTRICT OF COLUMBIA

NATIONAL ACADEMY OF ENGINEERING

PROMISEL, N E; *CONTINUATION OF ADVISORY SERVICES TO THE FEDERAL GOVERNMENT ON MATERIALS RESEARCH AND DEVELOPMENT* (*CA70000*); 12 MONTHS $5,000

FLORIDA

UNIVERSITY OF FLORIDA

HENCH, L L; *VIABLE FIXATION OF ARTIFICIAL LIMBS* (*H033008*); 24 MONTHS $143,100

HARTLEY, CRAIG S; *SIMULATION OF DEFECTS IN CRYSTALS BY POINT FORCE ARRAYS* (*H034680*); 3 MONTHS $4,400

UNIVERSITY OF FLORIDA-ENGINEERING & INDUSTRIAL EXPERIMENT STATION

GOULD, ROBERT W; *THE EFFECT OF THERMO-MECHANICAL PROCESSING ON THE ZONE STATE OF SELECTED AL-ZN-MG ALLOYS* (*H031817*); 24 MONTHS $50,000

GOULD, ROBERT W; *THE EFFECT OF THERMO-MECHANICAL PROCESSING ON THE ZONE STATE OF SELECTED AL-ZA-MG ALLOYS* (*H031817 001*); 6 MONTHS $5,800

RHINES, F N; *CONTROL OF ENVIRONMENTAL SURFACE REACTIONS* (*H034550*); 12 MONTHS $1[illegible]5,900

GEORGIA

GEORGIA INSTITUTE OF TECHNOLOGY

COCHRAN, J K JR; *RESEARCH INITIATION - PREFERIENTAL METAL DEPOSITION ON TUNGSTEN IN TUNGSTEN-ZIRCONIA COMPOSITES* (*H032649*); 18 MONTHS $16,000

ILLINOIS

ILLINOIS INSTITUTE OF TECHNOLOGY

LARSEN, RUSSELL D; *STATISTICAL MECHANICS OF MATERIALS FAILURE PHENOMENA- STABILITY OF IMPERFECT SOLIDS* (*H034455*); 12 MONTHS $25,000

GORDON, PAUL; *ENVIRONMENTAL SENSITIVITY OF STRUCTURAL METALS-LIQUID METAL EMBRITTLEMENT* (*H034664*); 12 MONTHS $70,000

NORTHWESTERN UNIVERSITY

JOHNSON, D LYNN; *IMPURITY EFFECTS IN THE SINTERING OF CERAMICS* (*K030396*); 24 MONTHS $58,400

UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE

WEINS, MICHAEL J; *RESEARCH INITIATION - COMPUTER MODELING OF HIGH ANGLE GRAIN BOUNDARIES* (*H032650*); 18 MONTHS $16,000

UNIVERSITY OF ILLINOIS AT URBANA

EHRLICH, GERT; *ATOMIC EXPLORATION OF CRYSTAL SURFACES* (*H031998*); 24 MONTHS $68,300

GREENE, JOSEPH E; *RESEARCH INITIATION - THE DEVELOPMENT OF A NEW CHEMICAL ANALYSIS TECHNIQUE FOR THIN FILM ELECTRONIC DEVICES* (*H032651*); 18 MONTHS $16,000

HOLONYAK, NICK JR; *LUMINESCENCE AND LASER STUDIES ON III-V SEMICONDUCTORS* (*H033771*); 24 MONTHS $71,200

INDIANA

UNIVERSITY OF NOTRE DAME

ALLEN, CHARLES W; *STRUCTURAL DEFECTS AND TRANSFORMATIONS IN INTERMEDIATE LAVES-PHASES* (*H034446*); 12 MONTHS $34,500

FIORE, NICHOLAS F; *ULTRASONIC DAMPING STUDIES IN CONTROLLED MICROSTRUCTURES* (*H034447*); 12 MONTHS $25,800

KENTUCKY

UNIVERSITY OF KENTUCKY

DEANGELIS, R J, AND SARGENT, GORDON A; *THERMOMECHANICAL STRENGTHENING OF HIGH STRENGTH BETA TITANIUM ALLOYS* (*H034399*); 12 MONTHS $40,000

CONRAD, HANS; *A STUDY OF THE RELATIONSHIP BETWEEN THE DEFORMATION UNDER MULTIAXIAL STRESS STATES AND THE DISLOCATION STRUCTURE* (*H034566*); 12 MONTHS $40,000

MARYLAND

UNIVERSITY OF MARYLAND, COLLEGE PARK

MARCINKOWSKI, M J; *GRAIN BOUNDARY BEHAVIOR DURING PLASTIC DEFORMATION* (*H032262*); 24 MONTHS $55,000

MASSACHUSETTS

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

GATOS, HARRY C, AND WITT, AUGUST F; *STUDY OF MICROSCOPIC GROWTH RATES AND THEIR ROLE IN SOLIDIFICATION* (*H028343 X01*); 12 MONTHS $38,600

COHEN, MORRIS; *NUCLEATION IN SOLID-STATE TRANSFORMATIONS* (*H031189*); 12 MONTHS $35,400

NORTHEASTERN UNIVERSITY

NOWAK, WELVILLE B; *HIGH-FIELD, HIGH-CURRENT, HIGH-TEMPERATURE SUPERCONDUCTORS* (*H033762*); 12 MONTHS $35,000

MICHIGAN

MICHIGAN TECHNOLOGICAL UNIVERSITY

RUNDMAN, KARL B; *COMPOSITION IN MODIFIED AL-ZN ALLOYS* (*K030887*); 24 MONTHS $64,400

UNIVERSITY OF MICHIGAN

SHERMAN, PAULINE; *PARTICLE GENERATION BY CONDENSATION* (*H031855*); 24 MONTHS $50,000

WAYNE STATE UNIVERSITY

ROL, PIETER K, AND HIMMEL, LAWRENCE; *EXO-ELECTRON STUDIES OF SURFACE DAMAGE OF LASER MATERIALS* (*H032606*); 24 MONTHS $75,900

MINNESOTA

UNIVERSITY OF MINNESOTA

TOTH, LOUIS E; *ELECTRONIC STRUCTURE AND MAGNETIC PROPERTIES OF TRANSITION METAL CARBIDES, NITRIDES AND BORIDES* (*K030701*); 24 MONTHS $71,100

MISSISSIPPI

MISSISSIPPI STATE UNIVERSITY

MORRIS, DON H; *RESEARCH INITIATION - CHARACTERIZATION STUDIES OF A POLYESTER RESIN FOR USE IN PHOTOELASTO-PLASTICITY* (*H032615*); 18 MONTHS $16,000

MISSOURI

CLARK, J B; *OTHER PROGRAM AWARDS* (*01AWDS*); 15 MONTHS $50,300

UNIVERSITY OF MISSOURI, ROLLA

CLARK, JOHN B; *GENESIS OF CELLULAR PRECIPITATION* (*H03[illegible]9*); 24 MONTHS $67,100

KREIDL, NORBERT J; *SILVER BORATE GLASSES* (*H032956*); 24 MONTHS $40,900

JAMES, WILLIAM J; *ELECTRONIC SURFACE STATES AND SURFACE STRUCTURE CHARACTERIZATION OF SEMICONDUCTORS* (*H034551*); 12 MONTHS $44,000

WASHINGTON UNIVERSITY

MULLER, MARCEL W; *APPLIED MICROMAGNETICS* (*H032000*); 24 MONTHS $65,000

KARDOS, JOHN L, AND HILL, CHRISTOPHER T; *POLYMERIC MATRIX COMPOSITE MATERIALS* (*H034594*); 12 MONTHS $70,000

NEBRASKA

UNIVERSITY OF NEBRASKA AT LINCOLN

BASHARA, N M; *SURFACE ELLIPSOMETRY* (*K030680*); 24 MONTHS $71,000

NEW JERSEY

RUTGERS UNIVERSITY

WEISSMAN, SIGMUND; *ELUCIDATION OF CRACK PROPAGATION AND FRACTURE MECHANISM IN CRYSTALS BY X-RAY PENDELLOSUNG FRINGES* (*H034450*); 12 MONTHS $48,100

SAUER, J A, AND MORROW, D R; *FATIGUE OF HIGH POLYMERS* (*K030681*); 24 MONTHS $63,300

NEW YORK

COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY

MARTON, RENATA; *INVESTIGATION OF THE FINE STRUCTURE OF WOOD FIBERS* (*K012857 001*); 24 MONTHS $65,500

COLUMBIA UNIVERSITY

PAUL, DAVID I; *THE ELECTRON MICROSCOPY OF FERROMAGNETIC MATERIALS* (*H03445[illegible]*); 12 MONTHS $24,900

CORNELL UNIVERSITY

BALLANTYNE, JOSEPH M; *PHYSICS AND MATERIALS FOR ELECTROLUMINESCENT METAL-INSULATOR-SEMICONDUCTOR DEVICES* (*H034356*); 12 MONTHS $40,000

POLYTECHNIC INSTITUTE OF BROOKLYN

CASTLEMAN, LOUIS S; *EFFECTS OF THERMOMECHANICAL TREATMENT ON PRECIPITATION PHENOMENA IN AND MECHANICAL PROPERTIES OF NICKEL-BASE BINARY ALLOYS (H034452)*; 12 MONTHS $35,900

RENSSELAER POLYTECHNIC INSTITUTE

HUDSON, JOHN B; *VAPOR-CRYSTAL NUCLEATION (H031819)*; 24 MONTHS $56,000

MACCRONE, ROBERT K; *SEMI-CONDUCTION IN OXIDE GLASSES (H034548)*; 24 MONTHS $69,400

SYRACUSE UNIVERSITY

SCHRODER, KLAUS; *CRACK GROWTH AND CRACK DISTRIBUTION STUDY BY BARKHAUSEN EFFECT (H031713)*; 24 MONTHS $50,000

KELLER, D V JR; *TRIBOLOGY IN METALLIC SYSTEMS (H034457)*; 12 MONTHS $29,900

CORNELL UNIVERSITY-MEDICAL COLLEGE

RUBIN, ALBERT L; *COLLAGEN AS A BIOMATERIAL (H034378 X00)*; 12 MONTHS $164,300

NORTH CAROLINA

DUKE UNIVERSITY

HACKER, HERBERT JR; *ELECTRIC AND MAGNETIC PROPERTIES OF RARE EARTH COMPOUNDS (H034597)*; 24 MONTHS $41,500

NORTH CAROLINA STATE UNIVERSITY AT RALEIGH

BAILEY, JOHN A; *STUDY OF SURFACE INTEGRITY IN THE MACHINING OF CERTAIN HIGH STRENGTH MATERIALS (H033761)*; 24 MONTHS $69,200

TISCHER, FREDERICK J; *ELECTRIC PROPERTIES OF METALLIC SURFACES AT MILLIMETER-WAVE FREQUENCIES (H034445)*; 12 MONTHS $35,000

OHIO

CASE WESTERN RESERVE UNIVERSITY

ANGUS, JOHN C, AND GARDNER, NELSON C; *VAPOR GROWTH OF DIAMOND AT LOW PRESSURES (H034436 X00)*; 12 MONTHS $59,900

COOPER, A R, AND HEUER, A H; *ACTIVATION ANALYSIS STUDY OF DIFFUSION IN OXIDES (H034443)*; 12 MONTHS $54,400

EBERT, L J; *DEVELOPMENT OF DUCTILE FIBER COMPOSITES AND THE TECHNOLOGY FOR PRODUCING THEM (H034449)*; 12 MONTHS $34,600

HEHEMANN, R F; *LATTICE INSTABILITY AND THE STRUCTURE OF MARTENSITES (H034454)*; 12 MONTHS $34,800

VUKCEVICH, MILAN R; *A NEW APPROACH TO THE THEORY OF BRITTLE FRACTURE (K030425)*; 24 MONTHS $61,500

THOMPSON, ERIC D; *SPIN ORBIT COUPLING IN THE FERROMAGNETIC METALS (K030702)*; 24 MONTHS $68,000

OHIO STATE UNIVERSITY

POWELL, GORDON W; *LOCAL EQUILIBRIUM AND DIFFUSION IN MULTIPHASE COUPLES (H033703)*; 12 MONTHS $14,200

HIRTH, JOHN P; *DISLOCATION SOURCES IN THE MICROSTRAIN REGION (H034568 X00)*; 12 MONTHS $44,000

UNIVERSITY OF CINCINNATI

KUHN, W E, AND HALL, J; *A NERVE IMPLANT PROSTHESIS FOR FACILITATING PERIPHERAL NERVE REGENERATION (H033873)*; 24 MONTHS $79,800

OKLAHOMA

UNIVERSITY OF OKLAHOMA

MARTINSEN, WILLIAM E; *RESEARCH INITIATION - SINTERING OF A1203 IN A GLOW DISCHARGE (H032642)*; 18 MONTHS $16,000

OREGON

OREGON GRADUATE CENTER

RUDY, ERWIN; *HARD AND WEAR-RESISTANT MATERIALS (H030875)*; 24 MONTHS $108,100

OREGON GRADUATE CENTER FOR STUDY & RESEARCH

RUDY, ERWIN; *HARD AND WEAR-RESISTANT MATERIALS (H030875 001)*; $26,300

PENNSYLVANIA

CARNEGIE-MELLON UNIVERSITY

MASSALSKI, T B, AND VASSAMILLET, L F; *A STUDY OF METASTABLE ALLOYS PRODUCED BY THE RAPID COOLING TECHNIQUES (H031718)*; 12 MONTHS $37,700

GRAGG, JOHN E JR; *RESEARCH INITIATION - COMPUTER AIDED INTERPRETATION OF RADIOGRAPHIC STUDIES OF DEFECTS IN ENGINEERING MATERIALS (H032614)*; 18 MONTHS $16,000

HECKEL, R W; *DIFFUSION ANALYSIS IN ENGINEERING MATERIALS SYSTEMS (H034674)*; 24 MONTHS $90,000

MILNES, A G; *TRAPS AND DEEP IMPURITY LEVELS IN SEMICONDUCTOR JUNCTION STRUCTURES (K030622)*; 24 MONTHS $65,000

DREXEL UNIVERSITY

HERCZFELD, PETER R; *DC AND MICROWAVE BIASED PHOTOCONDUCTIVITY STUDIES (H032767)*; 24 MONTHS $70,000

BEARD, RICHARD B; *POROUS ELECTRODES FOR USE IN IMPLANTABLE POWER SOURCES (H033748)*; 24 MONTHS $80,000

LEHIGH UNIVERSITY

AVITZUR, BETZALEL; *FORGING AND EXTRUSION OF POWDER METALLURGY PREFORMS (H032010)*; 24 MONTHS $70,300

KRAUSS, GEORGE JR; *ANALYSIS OF MICROSTRUCTURE AND STRENGTH OF LATH MARTENSITE (H033763)*; 12 MONTHS $39,500

SPERLING, L H; *INTERPENETRATING POLYMER NETWORK MATERIALS (K013355 001)*; 24 MONTHS $65,000

GROOVER, MIKELL P, AND LEVY, EDWARD K; *TEMPERATURE MEASUREMENT IN METAL CUTTING (K030418)*; 22 MONTHS $67,200

PENNSYLVANIA STATE UNIVERSITY

HARRISON, IAN R; *RESEARCH INITIATION - UTILIZATION OF CHAIN FOLDING (H032616)*; 18 MONTHS $16,000

WHITE, WILLIAM B; *CRYSTAL CHEMISTRY AND CRYSTAL GROWTH OF ELECTRONICALLY ACTIVE MATERIALS (H034360)*; 12 MONTHS $30,000

THROWER, PETER A, AND WALKER, PHILIP L JR; *PREPARATION OF CHEMICALLY VAPOR DEPOSITED CARBONS (H034361)*; 12 MONTHS $100,000

BARSCH, GERHARD R; *NONLINEAR ELASTIC AND THERMOELASTIC PROPERTIES OF IONIC MATERIALS AND INTERMETALLIC COMPOUNDS (H034369)*; 12 MONTHS $40,000

VEDAM, K; *OPTICAL PROPERTIES OF MATERIALS UNDER HIGH PRESSURE (H034456)*; 12 MONTHS $38,500

ROY, RUSTUM; *PREPARATION AND CHARACTERIZATION OF MATERIALS (H034547)*; 12 MONTHS $245,000

WORRELL, WAYNE L; *HIGH TEMPERATURE THERMODYNAMIC AND KINETIC INVESTIGATIONS OF THE FORMATION OF TRANSITION METAL-NOBLE METAL COMPOUNDS (H034552)*; 12 MONTHS $40,000

UNIVERSITY OF PITTSBURGH

PLAZEK, D J; *THE LINEAR VISCOELASTIC RESPONSE OF WELL-DEFINED AMORPHOUS POLYMERIC SYSTEMS (H032580)*; 24 MONTHS $70,000

MAGILL, J H; *MORPHOLOGY AND CRYSTALLIZATION BEHAVIOR OF POLYSILOXANES (H032581)*; 24 MONTHS $70,000

SOUTH CAROLINA

CLEMSON UNIVERSITY

HULBERT, SAMUEL F; *SYMPOSIUM ON MATERIALS AND DESIGN CONSIDERATIONS FOR THE ATTACHMENT OF PROSTHESES TO THE MUSCULO-SKELETAL SYSTEM, TO BE HELD APRIL 3-6, 1972 (H032576)*; 6 MONTHS $2,000

KLAWITTER, JEROME J; *RESEARCH INITIATION- AN EVALUATION OF POROUS CERAMICS (H032730)*; 18 MONTHS $16,000

TENNESSEE

VANDERBILT UNIVERSITY

BAYUZICK, ROBERT J; *ATOMIC NATURE OF GRAIN BOUNDARIES (H031714)*; 24 MONTHS $50,000

BAYUZICK, ROBERT J, AND PACKMAN, PAUL F; *A FIELD ION MICROSCOPY INVESTIGATION OF THE ATOMIC PROCESSES LEADING TO FATIGUE CRACK INITIATION IN METALLIC MATERIALS (H034715)*; 12 MONTHS $40,000

TEXAS

NATIONAL ASSOCIATION OF CORROSION ENGINEERS

STAEHLE, R W; *INTERNATIONAL CONFERENCE ON LOCALIZED CORROSION, WILLIAMSBURG, VIRGINIA, DECEMBER 6-10, 1971 (H031814)*; 18 MONTHS $2,000

RICE UNIVERSITY

BOURNE, HENRY C; *PROPERTIES OF THIN MAGNETIC FILMS (H034584)*; 24 MONTHS $75,000

SOUTHERN METHODIST UNIVERSITY

LEONARD, WILLIAM F; *THERMOELECTRIC POWER OF NOBLE METALS (H033178)*; 24 MONTHS $63,700

UTAH

UNIVERSITY OF UTAH

DEVRIES, K L; *ELECTRON PARAMAGNETIC RESONANCE INVESTIGATION OF SURFACE AND ENVIRONMENTAL EFFECTS (H031848)*; 24 MONTHS $65,000

BOYD, RICHARD H; *RELAXATION AND STRUCTURE IN POLYMERIC MATERIALS (H034437)*; 24 MONTHS $69,400

BREITLING, S M; *THE PREDICTION OF MECHANICAL BEHAVIOR FROM THE POLYMER CHEMICAL STRUCTURE (H034564)*; 12 MONTHS $44,900

BYRNE, J G; *IMPROVEMENT OF THE MECHANICAL PROPERTIES OF CHEMICALLY VAPOR DEPOSITED REFRACTORY METALS (H034647)*; 12 MONTHS $35,000

VIRGINIA

VIRGINIA POLYTECHNIC INSTITUTE

HOUSKA, C R; *VOLUME DIFFUSION IN POLYCRYSTALS BY X-RAY DIFFRACTION* (*K030180*); 24 MONTHS $70,200

WASHINGTON

WASHINGTON STATE UNIVERSITY

MASSON, D BRUCE; *FERMI SURFACE OVERLAP AND COMPONENT THERMODYNAMIC ACTIVITY* (*H031816*); 24 MONTHS $40,000

WISCONSIN

MARQUETTE UNIVERSITY

BREBRICK, ROBERT F; *MEASUREMENT AND ANALYSIS OF THE PARTIAL PRESSURES OVER ZNSE(S) AND CDSE(S) AND THE LIQUIDS FROM WHICH THEY CRYSTALLIZE* (*H033009*); 24 MONTHS $97,900

UNIVERSITY OF WISCONSIN, MADISON

COOPER, S L; *INTERMOLECULAR BONDING IN BLOCK COPOLYMER ELASTOMERS* (*H031747*); 24 MONTHS $64,600

DODD, R A; *POINT DEFECTS AND IMPURITIES IN CSC1 TYPE ORDERED PHASES, AND THEIR EFFECTS ON MECHANICAL PROPERTIES* (*H034441*); 12 MONTHS $35,000

MATERIALS RESEARCH LABORATORIES

CALIFORNIA

STANFORD UNIVERSITY

HUGGINS, ROBERT A; *MATERIALS RESEARCH LABORATORY PROGRAM* (*H033630*); 15 MONTHS $1,113,900

ILLINOIS

NORTHWESTERN UNIVERSITY

WHITMORE, DONALD H; *BASIC AND APPLIED RESEARCH IN MATERIALS* (*H033575**); 12 MONTHS $1,104,200

UNIVERSITY OF CHICAGO

LIGHT, JOHN C; *RESEARCH IN MATERIALS SCIENCES* (*H033636*); 12 MONTHS $746,400

UNIVERSITY OF ILLINOIS AT URBANA

MAURER, ROBERT J; *MATERIALS SCIENCES RESEARCH* (*H033634*); 15 MONTHS $1,329,200

INDIANA

PURDUE UNIVERSITY

HONIG, J M; *MATERIALS RESEARCH LABORATORIES PROGRAM* (*H033574**); 12 MONTHS $763,700

MARYLAND

UNIVERSITY OF MARYLAND, COLLEGE PARK

LIPPINCOTT, ELLIS R; *INTERDISCIPLINARY RESEARCH IN MATERIALS SCIENCES* (*H033577*); 12 MONTHS $478,800

MASSACHUSETTS

HARVARD UNIVERSITY

MCKINNEY, PETER S; *SUPPORT OF MATERIALS RESEARCH LABORATORY* (*H033576*); 12 MONTHS $620,200

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LAX, BENJAMIN; *CONTRACT FOR OPERATION OF A HIGH MAGNET FIELD RESEARCH AND DEVELOPMENT LABORATORY* (*C670000 001*); 5 MONTHS $930,000

LAX, BENJAMIN; *OPERATION OF A HIGH MAGNET FIELD RESEARCH AND DEVELOPMENT LABORATORY* (*C670000 002*); 7 MONTHS $1,170,000

LAX, BENJAMIN; *OPERATION OF A HIGH MAGNET FIELD RESEARCH AND DEVELOPMENT LABORATORY* (*C670000 003**); $100,000

GRANT, NICHOLAS J; *INTERDISCIPLINARY MATERIALS RESEARCH* (*H033635**); 15 MONTHS $1,509,000

NEW YORK

CORNELL UNIVERSITY

HUGHES, ROBERT E; *INTERDISCIPLINARY MATERIALS RESEARCH* (*H033637*); 15 MONTHS $1,832,700

NORTH CAROLINA

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

SMITH, CHARLES S JR; *SUPPORT OF THE MATERIALS RESEARCH CENTER* (*H033632*); 12 MONTHS $565,700

PENNSYLVANIA

UNIVERSITY OF PENNSYLVANIA

LANGENBERG, D N; *MATERIALS RESEARCH PROGRAM* (*H033633*); 15 MONTHS $1,572,300

RHODE ISLAND

BROWN UNIVERSITY

HELLER, GERALD S; *SUPPORT OF THE MATERIALS RESEARCH LABORATORY* (*H033631*); 15 MONTHS $1,163,900

INSTITUTIONAL SUPPORT FOR SCIENCE AND COMPUTING ACTIVITIES

INSTITUTIONAL GRANTS FOR SCIENCE

ALABAMA

ALABAMA AGRICULTURAL AND MECHANICAL UNIVERSITY
(*U003198 002*); $9,444

ALABAMA STATE UNIVERSITY
(*U004045*); $4,185

AUBURN UNIVERSITY
(*U003199 002*); $43,880

LIVINGSTON UNIVERSITY
(*U003869 001*); $7,533

OAKWOOD COLLEGE
(*U004046*); $8,653

TALLADEGA COLLEGE
(*U004047*); $8,540

TROY STATE UNIVERSITY
(*U003201 002*); $4,185

TUSKEGEE INSTITUTE
(*U003202 002*), $13,915

UNIVERSITY OF ALABAMA IN BIRMINGHAM
(*U003203 002*); $21,147

UNIVERSITY OF ALABAMA IN HUNTSVILLE
(*U003204 002*); $21,147

UNIVERSITY OF ALABAMA, TUSCALOOSA
(*U003205 002*); $18,318

UNIVERSITY OF SOUTH ALABAMA
(*U004048*); $8,427

ALASKA

UNIVERSITY OF ALASKA
(*U003207 002*); $66,893

ARIZONA

ARIZONA STATE UNIVERSITY
(*U003208 002*); $20,075

MESA COMMUNITY COLLEGE
(*U004049*); $1,674

NAVAJO COMMUNITY COLLEGE
(*U003873*); $20,912

NORTHERN ARIZONA UNIVERSITY
(*U003209 002*); $10,299

PRESCOTT COLLEGE
(*U004050*); $6,696

UNIVERSITY OF ARIZONA
(*U003211 002*); $73,350

ARKANSAS

AGRICULTURAL MECHANICAL&NORMAL COL OF ARKANSAS
(*U003874 001*); $8,596

ARKANSAS STATE UNIVERSITY
(*U003212 002*); $8,502

HARDING COLLEGE
(*U003875 001*); $9,030

SOUTHERN STATE COLLEGE
(*U004051*); $8,370

UNIVERSITY OF ARKANSAS
(*U003214 002*); $46,818

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY
(*U003216 002*), $86,940

CALIFORNIA STATE COLLEGE AT SAN BERNARDINO
(*U003221 001*); $8,841

CALIFORNIA STATE COLLEGE AT SONOMA
(*U003247 002*); $1,674

CALIFORNIA STATE COLLEGE AT STANISLAUS
(*U003889 001*); $8,465

CALIFORNIA STATE POLYTECHNIC UNIV, POMONA
(*U003222 002*); $8,596

CALIFORNIA STATE UNIVERSITY, CHICO
(*U003225 002*); $9,500

CALIFORNIA STATE UNIVERSITY, FRESNO
(*U003230 002*); $14,986

CALIFORNIA STATE UNIVERSITY, FULLERTON
(*U003217 002*); $9,256

CALIFORNIA STATE UNIVERSITY, HUMBOLDT
(*U003233 002*); $8,879

CALIFORNIA STATE UNIVERSITY, LONG BEACH
(*U003219 002*); $9,105

CALIFORNIA STATE UNIVERSITY, LOS ANGELES
(*U003220 002*); $10,818

CALIFORNIA STATE UNIVERSITY, SACRAMENTO
(*U003241 002*); $9,557

CALIFORNIA STATE UNIVERSITY, SAN DIEGO
(*U003242 002*); $25,658

CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO
(*U003244 002*); $10,668

CALIFORNIA STATE UNIVERSITY, SAN JOSE
(*U003245 002*); $12,710

CALIFORNIA STATE UNIVERSITY, SAN LUIS OBIS PO
(*U003223 002*); $8,897

CHAPMAN COLLEGE
(*U004052*); $8,370

CLAREMONT GRADUATE SCHOOL
(*U003226 002*); $8,841

CLAREMONT MEN0S COLLEGE
(*U003227 001*); $8,408

COLLEGE OF MARIN
(*U004053*); $1,674

COLLEGE OF NOTRE DAME
(*U003228 002*); $8,408

CUESTA COLLEGE
(*U004054*); $1,674

HARVEY MUDD COLLEGE
(*U003232 002*); $8,558

IMMACULATE HEART COLLEGE
(U003234 002); $2,511

LANEY COLLEGE
(U003884 001); $12,509

LOMA LINDA UNIVERSITY
(U003235 002); $9,048

LOS ANGELES CITY COLLEGE
(U004055); $10,801

MERRITT COLLEGE
(U003885 001); $12,509

MILLS COLLEGE
(U003237 001); $8,370

OCCIDENTAL COLLEGE
(U003238 002); $8,653

PACIFIC COLLEGE
(U003881 001); $1,674

PACIFIC OAKS COLLEGE
(U003239 002); $10,249

PEPPERDINE UNIVERSITY
(U003882 001); $9,349

POMONA COLLEGE
(U003240 002); $8,691

SAN DIEGO DISTRICT COMMUNITY COLLEGES SYS OFF
(U003887 001); $22,436

STANFORD UNIVERSITY
(U003249 002); $96,401

UNITED STATES INTERNATIONAL UNIVERSITY
(U003890 001); $9,010

UNIVERSITY OF CALIFORNIA SYSTEM OFFICE
(U003250 002); $29,320

UNIVERSITY OF CALIFORNIA, BERKELEY
(U003251 002); $93,022

UNIVERSITY OF CALIFORNIA, DAVIS
(U003252 002); $68,956

UNIVERSITY OF CALIFORNIA, IRVINE
(U003253 002); $41,360

UNIVERSITY OF CALIFORNIA, LOS ANGELES
(U003254 002); $93,585

UNIVERSITY OF CALIFORNIA, RIVERSIDE
(U003255 002); $35,[illegible]3

UNIVERSITY OF CALIFORNIA, SAN DIEGO
(U003256 002); $97,206

UNIVERSITY OF CALIFORNIA, SANTA BARBARA
(U003257 002); $39,588

UNIVERSITY OF CALIFORNIA, SANTA CRUZ
(U003258 002); $13,296

UNIVERSITY OF REDLANDS
(U003260 002); $2,511

UNIVERSITY OF SAN DIEGO COORDINATE COLLEGES
(U003891 001); $9,557

UNIVERSITY OF SAN FRANCISCO
(U003261 002); $11,270

UNIVERSITY OF SANTA CLARA
(U003262 002); $10,986

UNIVERSITY OF SOUTHERN CALIFORNIA
(U003263 002); $69,877

UNIVERSITY OF THE PACIFIC
(U003259 002); $11,120

COLORADO

COLORADO COLLEGE
(U003264 002); $8,634

COLORADO SCHOOL OF MINES
(U004056); $28,134

COLORADO STATE UNIVERSITY
(U003267 002); $79,544

LORETTO HEIGHTS COLLEGE
(U003268 002); $5,859

MESA COLLEGE
(U004057); $1,674

SOUTHERN COLORADO STATE COLLEGE
(U004058); $9,331

TEMPLE BUELL COLLEGE
(U003269 002); $4,1[illegible]

TRINIDAD STATE JUNIOR COLLEGE
(U004059); $2,511

UNIVERSITY OF COLORADO
(U004060); $82,980

UNIVERSITY OF DENVER
(U003271 002); $44,189

UNIVERSITY OF NORTHERN COLORADO
(U003266 001); $9,575

CONNECTICUT

CONNECTICUT COLLEGE
(U003273 002); $8,502

FAIRFIELD UNIVERSITY
(U003274 002); $8,483

NEW ENGLAND INSTITUTE
(U003275 002); $9,030

SOUTHERN CONNECTICUT STATE COLLEGE
(U003892 001); $8,445

ST JOSEPH COLLEGE
(U003276 002); $7,533

TRINITY COLLEGE
(U003277 002); $8,558

UNIVERSITY OF BRIDGEPORT
(U003893 001); $8,558

UNIVERSITY OF CONNECTICUT
(U003278 002); $40,741

UNIVERSITY OF HARTFORD
(U003279 001); $8,596

WESLEYAN UNIVERSITY
(U003280 002); $18,301

WESTERN CONNECTICUT STATE COLLEGE
(U004061); $8,370

YALE UNIVERSITY
(U003282 002); $82,361

DELAWARE

DELAWARE STATE COLLEGE
(U003894 001); $8,578

UNIVERSITY OF DELAWARE
(U003283 002); $35,267

DISTRICT OF COLUMBIA

AMERICAN UNIVERSITY
(U003284 002); $35,970

CATHOLIC UNIVERSITY OF AMERICA
(U003285 002); $36,101

DUNBARTON COLLEGE OF HOLY CROSS
(U004062); $8,427

FEDERAL CITY COLLEGE
(U003895 001); $8,709

GALLAUDET COLLEGE
(U003286 002); $12,676

GEORGE WASHINGTON UNIVERSITY
(U003287 002); $64,336

GEORGETOWN UNIVERSITY
(U003288 002); $34,578

HOWARD UNIVERSITY
(U003289 002); $20,996

FLORIDA

FLORIDA AGRICULTURAL AND MECHANICAL UNIVERSITY
(U003292 002); $8,728

FLORIDA ATLANTIC UNIVERSITY
(U003293 002); $10,735

FLORIDA INSTITUTE OF TECHNOLOGY
(U003294 002); $10,082

FLORIDA PRESBYTERIAN COLLEGE
(U003295 002); $8,389

FLORIDA STATE UNIVERSITY
(U003296 002); $63,851

FLORIDA TECHNOLOGICAL UNIVERSITY
(U003297 001); $9,123

MIAMI-DADE JUNIOR COLLEGE
(U003897 001); $1,674

NOVA UNIVERSITY
(U00329[illegible] 002); $16,694

ST LEO COLLEGE
(U004063); $1,674

STETSON UNIVERSITY
(U003300 002); $8,502

UNIVERSITY OF FLORIDA
(U003301 002); $72,045

UNIVERSITY OF MIAMI
(U003302 002); $74,242

UNIVERSITY OF SOUTH FLORIDA
(U003303 002); $13,698

GEORGIA

ATLANTA UNIVERSITY
(U003305 002); $12,442

CLARK COLLEGE
(U003900 001); $7,533

EMORY UNIVERSITY
(U003307 002); $27,079

FORT VALLEY STATE COLLEGE
(U003308 002); $8,841

GEORGIA COLLEGE AT MILLEDGEVILLE
(U004064); $5,859

GEORGIA INSTITUTE OF TECHNOLOGY
(U003309 002); $66,747

GEORGIA SOUTHERN COLLEGE
(U003310 002); $9,067

GEORGIA STATE UNIVERSITY
(U003311 002); $9,406

MEDICAL COLLEGE OF GEORGIA
(U003312 002); $10,199

MOREHOUSE COLLEGE
(U004065); $8,408

MORRIS BROWN COLLEGE
(U004066); $1,674

UNIVERSITY OF GEORGIA
(U003314 002); $68,496

WEST GEORGIA COLLEGE
(U004067); $8,709

GUAM

UNIVERSITY OF GUAM
(U004156); $9,048

HAWAII

UNIVERSITY OF HAWAII
(U003316 002); $77,255

IDAHO

IDAHO STATE UNIVERSITY
(U003317 002); $8,427

UNIVERSITY OF IDAHO
(U003318 002); $29,437

ILLINOIS

BLACKBURN COLLEGE
(U003903 001); $1,674

BRADLEY UNIVERSITY
(U003320 002); $8,5[illegible]0

CHICAGO MEDICAL SCHOOL
(U004068); $8,465

CITY COLLEGES OF CHICAGO
(U003321 002); $3,348

DEPAUL UNIVERSITY
(U003322 002); $9,934

ELMHURST COLLEGE
(U004069); $1,674

ILLINOIS BENEDICTINE COLLEGE
(U003344 002); $9,801

ILLINOIS INSTITUTE OF TECHNOLOGY
(U003327 002); $45,370

ILLINOIS STATE UNIVERSITY
(U003328 002); $8,615

ILLINOIS WESLEYAN UNIVERSITY
(U004070); $1,674

KNOX COLLEGE
(U003330 002); $7,533

LEWIS COLLEGE
(U004071); $4,185

LOYOLA UNIVERSITY
(U003333 002); $10,801

MACMURRAY COLLEGE
(U003334 001); $1,674

NORTH CENTRAL COLLEGE
(U003337 002); $2,511

NORTHERN ILLINOIS UNIVERSITY
(U004072); $12,208

NORTHWESTERN UNIVERSITY
(U003339 002); $68,500

QUINCY COLLEGE
(U004073); $8,502

ROOSEVELT UNIVERSITY
(U003341 002); $8,370

SOUTHERN ILLINOIS UNIVERSITY - CARBONDALE
(U003343 002); $12,810

SOUTHERN ILLINOIS UNIVERSITY - EDWARDSVILLE
(U003905 001); $9,161

TRITON COLLEGE
(U004074); $9,821

UNIVERSITY OF CHICAGO
(U003346 002); $90,884

UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE
(U003347 002); $25,863

UNIVERSITY OF ILLINOIS AT URBANA
(U003349 002); $96,885

UNIVERSITY OF ILLINOIS SYSTEM OFFICE
(U003348 002); $12,459

INDIANA

BALL STATE UNIVERSITY
(U003351 002); $1,674

DEPAUW UNIVERSITY
(U003352 002); $8,427

EARLHAM COLLEGE
(U003353 002); $8,653

INDIANA STATE UNIVERSITY
(U003355 002); $8,370

INDIANA UNIVERSITY, BLOOMINGTON
(U003356 002); $62,428

INDIANA UNIVERSITY, INDIANAPOLIS
(U003906 001); $9,670

MANCHESTER COLLEGE
(U003357 001); $1,674

PURDUE UNIVERSITY
(U003358 002); $85,865

ROSE-HULMAN INSTITUTE OF TECHNOLOGY
(U003359 001); $8,578

ST MARY0S COLLEGE
(U003907 001); $1,674

UNIVERSITY OF NOTRE DAME
(*U003362 002*); $42,105

IOWA

BUENA VISTA COLLEGE
(*U004075*); $1,674

CENTRAL COLLEGE
(*U003366 002*); $1,674

COE COLLEGE
(*U003368 002*); $5,022

CORNELL COLLEGE
(*U003369 002*); $3,348

DORDT COLLEGE
(*U003370 002*); $2,511

DRAKE UNIVERSITY
(*U003371 001*); $9,218

GRINNELL COLLEGE
(*U003372 002*); $8,615

IOWA STATE UNIVERSITY OF SCIENCE & TECHNOLOGY
(*U003373 002*); $52,836

LUTHER COLLEGE
(*U003376 002*); $2,511

SIMPSON COLLEGE
(*U003908 001*); $1,674

UNIVERSITY OF IOWA
(*U003378 002*); $61,231

WARTBURG COLLEGE
(*U004076*); $1,674

KANSAS

BENEDICTINE COLLEGE
(*U003388 002*); $2,511

KANSAS STATE COLLEGE OF PITTSBURG
(*U003385 002*); $3,348

KANSAS STATE UNIVERSITY
(*U003387 002*); $49,630

OTTAWA UNIVERSITY
(*U004077*); $1,674

UNIVERSITY OF KANSAS
(*U003390 002*); $49,839

WASHBURN UNIVERSITY OF TOPEKA
(*U003391 001*); $1,674

WICHITA STATE UNIVERSITY
(*U003392 002*); $8,935

KENTUCKY

BELLARMINE-URSULINE COLLEGE
(*U003393 002*); $8,502

EASTERN KENTUCKY UNIVERSITY
(*U003397 002*); $17,230

KENTUCKY STATE COLLEGE
(*U003398 002*); $8,540

MOREHEAD STATE UNIVERSITY
(*U003399 002*); $12,007

THOMAS MORE COLLEGE
(*U003913 001*); $5,859

UNIVERSITY OF KENTUCKY
(*U003401 002*); $65,797

UNIVERSITY OF LOUISVILLE
(*U003402 002*); $15,221

WESTERN KENTUCKY UNIVERSITY
(*U003403 002*); $8,578

LOUISIANA

DELGADO VOCATIONAL TECHNICAL JUNIOR COLLEGE
(*U003405 002*); $11,253

GRAMBLING COLLEGE
(*U003407 002*); $8,691

LOUISIANA STATE UNIVERSITY SYSTEM OFFICE
(*U003409 002*); $13,396

LOUISIANA STATE UNIVERSITY, BATON ROUGE
(*U003410 002*); $66,420

LOUISIANA STATE UNIVERSITY, NEW ORLEANS
(*U003411 002*); $10,969

LOUISIANA TECH UNIVERSITY
(*U003408 002*); $9,256

LOYOLA UNIVERSITY
(*U003412 002*); $8,954

NICHOLLS STATE UNIVERSITY
(*U003406 001*); $10,299

NORTHEAST LOUISIANA UNIVERSITY
(*U003413 002*); $8,389

NORTHWESTERN STATE UNIVERSITY OF LOUISIANA
(*U003414 002*); $8,389

SOUTHERN UNIVERSITY
(*U003415 002*); $15,070

TULANE UNIVERSITY
(*U003416 002*); $27,255

UNIVERSITY OF SOUTHWESTERN LOUISIANA
(*U003915 001*); $8,860

XAVIER UNIVERSITY OF LOUISIANA
(*U003417 002*); $8,389

MAINE

BOWDOIN COLLEGE
(*U003418 002*); $8,691

COLBY COLLEGE
(*U003419 002*); $8,370

UNIVERSITY OF MAINE SYSTEM OFFICE
(*U004159*); $27,592

MARYLAND

BOWIE STATE COLLEGE
(*U004078*); $8,804

CATONSVILLE COMMUNITY COLLEGE
(*U004079*); $5,859

CHESAPEAKE COLLEGE
(*U003917 001*); $8,408

COLUMBIA UNION COLLEGE
(*U003918 001*); $7,533

FROSTBURG STATE COLLEGE
(*U003422 001*); $7,533

GOUCHER COLLEGE
(*U003423 001*); $8,747

HARFORD COMMUNITY COLLEGE
(*U004080*); $1,674

JOHNS HOPKINS UNIVERSITY
(*U003424 002*); $69,525

MORGAN STATE COLLEGE
(*U003426 002*); $8,766

UNIVERSITY OF MARYLAND, COLLEGE PARK
(*U003427 002*); $87,649

WESTERN MARYLAND COLLEGE
(*U003919 001*); $8,596

MASSACHUSETTS

AMHERST COLLEGE
(*U003430 002*); $9,538

BOSTON COLLEGE
(*U003431 002*); $32,820

BOSTON UNIVERSITY
(*U003432 002*); $35,531

BRANDEIS UNIVERSITY
(*U003433 002*); $49,496

BRIDGEWATER STATE COLLEGE
(*U004081*); $8,784

CLARK UNIVERSITY
(*U003434 002*); $13,162

COLLEGE OF THE HOLY CROSS
(*U003435 002*); $9,105

EMERSON COLLEGE
(*U004082*); $3,348

EMMANUEL COLLEGE
(*U003436 002*); $13,882

FORSYTH SCHOOL OF DENTAL HYGIENISTS
(*U004083*); $9,123

GORDON COLLEGE
(*U004084*); $1,674

HARVARD UNIVERSITY
(*U003438 002*); $92,152

LOWELL STATE COLLEGE
(*U004085*); $1,674

LOWELL TECHNOLOGICAL INSTITUTE
(*U003439 002*); $20,059

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
(*U003440 002*); $121,394

MASSASOIT COMMUNITY COLLEGE
(*U004086*); $1,674

MOUNT HOLYOKE COLLEGE
(*U003442 002*); $5,859

NORTHEASTERN UNIVERSITY
(*U003443 002*); $35,443

REGIS COLLEGE
(*U003924 001*); $11,689

SIMMONS COLLEGE
(*U004087*); $8,427

SMITH COLLEGE
(*U003444 002*); $8,804

SOUTHEASTERN MASSACHUSETTS UNIVERSITY
(*U003445 002*); $8,389

SUFFOLK UNIVERSITY
(*U004088*); $8,634

TUFTS UNIVERSITY
(*U003447 002*); $36,482

UNIVERSITY OF MASSACHUSETTS, AMHERST
(*U003448 002*); $53,949

WELLESLEY COLLEGE
(*U003449 002*); $8,427

WENTWORTH INSTITUTE
(*U003450 002*); $21,431

WHEATON COLLEGE
(*U003451 002*); $6,69[illegible]

WILLIAMS COLLEGE
(*U003452 002*); $11,[illegible]20

WOODS HOLE OCEANOGRAPHIC INSTITUTION
(*U003927 001*); $84,926

WORCESTER POLYTECHNIC INSTITUTE
(*U003453 002*); $12,760

MICHIGAN

ADRIAN COLLEGE
(*U003928 001*); $6,696

ALBION COLLEGE
(*U003454 002*); $1,674

ALMA COLLEGE
(*U003455 002*); $8,408

ANDREWS UNIVERSITY
(*U004089*); $1,674

CALVIN COLLEGE
(*U003456 002*); $8,634

EASTERN MICHIGAN UNIVERSITY
(*U003460 002*); $10,115

GRAND RAPIDS JUNIOR COLLEGE
(*U004090*); $1,674

HOPE COLLEGE
(*U003462 002*); $8,973

KALAMAZOO COLLEGE
(*U003463 002*); $8,67[illegible]

LAKE MICHIGAN COLLEGE
(*U004091*); $1,674

LAKE SUPERIOR STATE COLLEGE
(*U004092*); $1,674

MERCY COLLEGE OF DETROIT
(*U003464 002*); $8,483

MICHIGAN STATE UNIVERSITY
(*U003465 002*); $77,552

MICHIGAN TECHNOLOGICAL UNIVERSITY
(*U003466 002*); $14,049

NAZARETH COLLEGE
(*U004093*); $1,674

NORTHERN MICHIGAN UNIVERSITY
(*U003467 002*); $8,370

OAKLAND UNIVERSITY
(*U003468 002*); $10,534

OLIVET COLLEGE
(*U004094*); $1,674

UNIVERSITY OF DETROIT
(*U003469 002*); $10,467

UNIVERSITY OF MICHIGAN
(*U003470 002*); $95,881

WAYNE STATE UNIVERSITY
(*U003471 002*); $35,369

WESTERN MICHIGAN UNIVERSITY
(*U003472 002*); $12,107

MINNESOTA

BETHEL COLLEGE AND SEMINARY
(*U004095*); $1,6[illegible]

CARLETON COLLEGE
(*U003474 002*); $8,766

CONCORDIA COLLEGE AT MOORHEAD
(*U003933 001*); $1,674

FERGUS FALLS STATE JUNIOR COLLEGE
(*U004096*); $1,674

GUSTAVUS ADOLPHUS COLLEGE
(*U003477 002*); $1,674

HAMLINE UNIVERSITY
(*U003478 002*); $10,047

MACALESTER COLLEGE
(*U003479 002*); $4,185

MANKATO STATE COLLEGE
(*U003934 001*); $5,022

MOORHEAD STATE COLLEGE
(*U003480 002*); $8,841

ST OLAF COLLEGE
(*U003482 002*); $9,312

UNIVERSITY OF MINNESOTA
(*U003483 002*); $87,735

WINONA STATE COLLEGE
(*U003484 002*); $8,370

MISSISSIPPI

ALCORN AGRICULTURAL AND MECHANICAL COLLEGE
(*U003485 002*); $8,596

HOLMES JUNIOR COLLEGE
(*U004097*); $1,674

MARY HOLMES COLLEGE
(*U004098*); $10,567

MISSISSIPPI STATE UNIVERSITY
(*U003487 002*); $48,734

UNIVERSITY OF MISSISSIPPI
(*U003489 002*); $19,774

MISSOURI

LINCOLN UNIVERSITY
(*U003492 002*); $9,199

MISSOURI BAPTIST COLLEGE
(*U004099*); $1,674

MISSOURI WESTERN COLLEGE
(*U004100*); $1,674

SOUTHEAST MISSOURI STATE COLLEGE
(*U003496 002*); $6,696

SOUTHWEST MISSOURI STATE COLLEGE
(*U003498 002*); $8,634

ST LOUIS JUNIOR COLLEGE DISTRICT
(*U003939 001*); $8,389

ST LOUIS UNIVERSITY
(*U003499 002*); $26,889

UNIVERSITY OF MISSOURI, COLUMBIA
(*U003500 002*); $53,011

UNIVERSITY OF MISSOURI, KANSAS CITY
(*U003501 002*); $9,010

UNIVERSITY OF MISSOURI, ROLLA
(*U003502 002*); $28,793

UNIVERSITY OF MISSOURI, ST LOUIS
(*U003503 002*); $11,940

WASHINGTON UNIVERSITY
(*U003504 002*); $57,908

MONTANA

MONTANA COLLEGE OF MINERAL SCIENCE & TECH
(*U003505 002*); $9,256

MONTANA STATE UNIVERSITY
(*U003506 002*); $35,677

UNIVERSITY OF MONTANA
(*U003507 002*); $14,434

NEBRASKA

CONCORDIA TEACHERS COLLEGE
(*U003509 002*); $5,859

CREIGHTON UNIVERSITY
(*U003510 002*); $8,671

DANA COLLEGE
(*U004101*); $8,691

UNIVERSITY OF NEBRASKA AT LINCOLN
(*U003513 002*); $40,088

UNIVERSITY OF NEBRASKA SYSTEM OFFICE
(*U003514 002*); $13,212

NEVADA

UNIVERSITY OF NEVADA SYSTEM OFFICE
(*U003516 002*); $38,196

UNIVERSITY OF NEVADA, LAS VEGAS
(*U004102*); $9,349

UNIVERSITY OF NEVADA, RENO
(*U003517 002*); $19,690

NEW HAMPSHIRE

DARTMOUTH COLLEGE
(*U003518 002*); $23,825

FRANKLIN PIERCE COLLEGE
(*U004103*); $9,506

UNIVERSITY OF NEW HAMPSHIRE, DURHAM
(*U003519 002*); $47,244

NEW JERSEY

COLLEGE OF MEDICINE & DENTISTRY OF NEW JERSEY
(*U003525 002*); $8,502

FAIRLEIGH DICKINSON UNIVERSITY
(*U003522 002*); $6,696

MONMOUTH COLLEGE
(*U003524 002*); $8,521

NEWARK COLLEGE OF ENGINEERING
(*U003526 002*); $13,882

PRINCETON UNIVERSITY
(*U003527 002*); $87,780

RIDER COLLEGE
(*U003950 001*); $8,578

RUTGERS UNIVERSITY
(*U003528 002*); $51,196

SETON HALL UNIVERSITY
(*U003529 002*); $8,671

STEVENS INSTITUTE OF TECHNOLOGY
(*U003530 002*); $42,465

TRENTON STATE COLLEGE
(*U003951 001*); $1,674

UPSALA COLLEGE
(*U004104*); $6,696

WILLIAM PATERSON COLLEGE
(*U004105*); $3,348

NEW MEXICO

EASTERN NEW MEXICO UNIVERSITY
(*U003531 002*); $11,823

NEW MEXICO HIGHLANDS UNIVERSITY
(*U003532 002*); $7,533

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY
(*U003533 002*); $25,014

NEW MEXICO STATE UNIVERSITY
(*U003534 002*); $69,919

UNIVERSITY OF ALBUQUERQUE
(*U003536 002*); $8,445

UNIVERSITY OF NEW MEXICO
(*U003537 002*); $50,860

NEW YORK

ADELPHI UNIVERSITY
(*U003539 002*); $9,801

AGRICULTURAL AND TECH COLLEGE AT ALFRED
(*U00*[illegible]); $8,784

AGRICULTURAL AND TECH COLLEGE AT CANTON
(*U004114*); $1,674

ALBANY MEDICAL COLLEGE
(*U003540 002*); $30,213

ALFRED UNIVERSITY
(*U004106*); $6,696

BANK STREET COLLEGE OF EDUCATION
(*U003952 001*); $8,615

BARNARD COLLEGE
(*U003541 002*); $9,971

BRONX COMMUNITY COLLEGE
(*U004157*); $9,199

BROOKLYN COLLEGE
(*U003549 002*); $10,249

CANISIUS COLLEGE
(*U003953 001*); $5,022

CITY COLLEGE
(*U003550 003*); $22,687

CITY UNIVERSITY OF NEW YORK SYSTEM OFFICE
(*U003547 003*); $14,668

CLARKSON COLLEGE OF TECHNOLOGY
(*U003542 002*); $18,067

COLGATE UNIVERSITY
(*U003543 002*); $9,293

COLLEGE AT BROCKPORT
(*U003579 002*); $8,747

COLLEGE AT BUFFALO
(*U003580 002*); $8,728

COLLEGE AT FREDONIA
(*U003582 002*); $9,482

COLLEGE AT NEW PALTZ
(*U003583 002*); $8,376

COLLEGE AT ONEONTA
(*U003584 001*); $5,022

COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY
(*U003586 002*); $12,777

COLLEGE OF PHARMACEUTICAL SCIENCES
(*U003955 001*); $8,389

COLUMBIA UNIVERSITY
(*U003544 002*); $96,136

COOPER UNION
(*U003545 001*); $8,804

CORNELL UNIVERSITY
(*U003546 002*); $89,698

DOMINICAN COLLEGE OF BLAUVELT
(*U004109*); $6,696

DOWLING COLLEGE
(*U004110*); $5,859

FORDHAM UNIVERSITY
(*U003554 002*); $12,208

GRADUATE SCHOOL AND UNIVERSITY CENTER
(*U004107*); $11,672

HAMILTON COLLEGE
(*U003555 001*); $8,483

HOBART AND WILLIAM SMITH COLLEGES
(*U003961 001*); $1,674

HOFSTRA UNIVERSITY
(*U003556 002*); $10,383

HUNTER COLLEGE
(*U004158*); $11,957

ITHACA COLLEGE
(*U003557 002*); $5,022

LEHMAN COLLEGE
(*U004036 001*); $8,445

LONG ISLAND UNIVERSITY
(*U003559 002*); $12,074

MANHATTAN COLLEGE
(*U003560 002*) $8,954

MARIST COLLEGE
(*U003962 001*); $1,674

NEW SCHOOL FOR SOCIAL RESEARCH
(*U003964 001*); $9,425

NEW YORK MEDICAL COLLEGE
(*U003565 002*); $10,182

NEW YORK UNIVERSITY
(*U003566 002*); $80,494

POLYTECHNIC INSTITUTE OF BROOKLYN
(*U003568 002*); $44,348

QUEENS COLLEGE
(*U004038 001*); $11,505

QUEENSBOROUGH COMMUNITY COLLEGE
(*U004108*); $1,674

RENSSELAER POLYTECHNIC INSTITUTE
(*U003569 002*) $62,762

RICHMOND COLLEGE
(*U003957 001*); $8,804

ROCHESTER INSTITUTE OF TECHNOLOGY
(*U003570 002*); $11,153

ROCKEFELLER UNIVERSITY
(*U003571 002*); $16,326

RUSSELL SAGE COLLEGE
(*U004112*); $4,186

ST BONAVENTURE UNIVERSITY
(*U003967 001*); $1,674

ST JOHN'S UNIVERSITY
(*U003575 002*); $8,521

ST LAWRENCE UNIVERSITY
(*U003576 002*); $9,425

STATE UNIVERSITY AT ALBANY
(*U003587 002*); $29,129

STATE UNIVERSITY AT BINGHAMTON
(*U003588 002*); $16,928

STATE UNIVERSITY AT BUFFALO
(*U003589 002*); $39,837

STATE UNIVERSITY AT STONY BROOK
(*U003590 002*); $66,542

STATE UNIVERSITY OF NEW YORK SYSTEM OFFICE
(*U003577 002*); $14,936

SYRACUSE UNIVERSITY
(*U003591 002*); $59,440

TEACHERS COLLEGE
(*U003592 002*); $17,447

UNION COLLEGE
(*U003593 002*); $9,708

UNIVERSITY OF ROCHESTER
(*U003594 002*); $80,892

WEBB INSTITUTE OF NAVAL ARCHITECTURE
(*U003596 002*); $8,691

YESHIVA UNIVERSITY
(*U003597 002*); $54,602

YORK COLLEGE
(*U003959 001*); $1,674

NEW YORK INSTITUTE OF TECHNOLOGY-NEW YORK CITY CAMPUS
(*U004111*); $17,012

NORTH CAROLINA

CHOWAN COLLEGE
(*U004115*); $3,348

DUKE UNIVERSITY
(*U003600 002*); $69,622

EAST CAROLINA UNIVERSITY
(*U003601 002*); $8,634

GASTON COLLEGE
(*U004116*); $7,533

NORTH CAROLINA AGRICULTURAL & TECH STATE UNIV
(*U003603 002*); $12,911

NORTH CAROLINA CENTRAL UNIVERSITY
(*U003604 002*); $8,728

NORTH CAROLINA STATE UNIVERSITY AT RALEIGH
(*U003610 002*); $68,609

NORTH CAROLINA WESLEYAN COLLEGE
(*U004117*); $8,408

PFEIFFER COLLEGE
(*U004118*); $1,674

SHAW UNIVERSITY
(*U003976 001*); $10,216

ST ANDREWS PRESBYTERIAN COLLEGE
(*U003606 002*); $9,048

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
(*U003608 002*); $53,957

UNIVERSITY OF NORTH CAROLINA AT GREENSBORO
(*U003609 002*); $10,919

WAKE FOREST UNIVERSITY
(*U003612 002*); $9,462

WESTERN CAROLINA UNIVERSITY
(*U003977 001*); $10,065

NORTH DAKOTA

MINOT STATE COLLEGE
(*U003614 002*); $8,465

NORTH DAKOTA STATE UNIVERSITY
(*U003615 002*); $28,295

UNIVERSITY OF NORTH DAKOTA
(*U003616 002*); $15,656

OHIO

ANTIOCH COLLEGE
(*U003617 002*); $10,283

BOWLING GREEN STATE UNIVERSITY
(*U003619 002*); $10,047

CASE WESTERN RESERVE UNIVERSITY
(*U003620 002*); $71,333

CEDARVILLE COLLEGE
(*U004119*); $3,348

CENTRAL STATE UNIVERSITY
(*U003621 002*); $13,162

CLEVELAND STATE UNIVERSITY
(*U003622 002*); $10,009

COLLEGE OF WOOSTER
(*U003623 001*); $8,540

DENISON UNIVERSITY
(*U003625 002*); $8,427

HEIDELBERG COLLEGE
(*U004120*); $7,533

HIRAM COLLEGE
(*U003627 002*); $8,502

JOHN CARROLL UNIVERSITY
(*U003628 002*); $10,333

KENT STATE UNIVERSITY
(*U003629 002*); $22,938

KENYON COLLEGE
(*U003630 002*); $8,558

MEDICAL COLLEGE OF OHIO AT TOLEDO
(*U004121*); $8,935

MIAMI UNIVERSITY
(*U003632 002*); $12,927

MUSKINGUM COLLEGE
(*U003634 002*); $1,674

OBERLIN COLLEGE
(*U003635 002*); $10,450

OHIO DOMINICAN COLLEGE
(*U004122*); $1,674

OHIO STATE UNIVERSITY
(*U003637 002*); $86,953

OHIO UNIVERSITY
(*U003638 003*); $14,819

OHIO WESLEYAN UNIVERSITY
(*U003639 002*); $4,185

UNIVERSITY OF AKRON
(*U003641 002*); $11,404

UNIVERSITY OF CINCINNATI
(*U003642 002*); $41,151

UNIVERSITY OF DAYTON
(*U003643 002*); $55,548

UNIVERSITY OF TOLEDO
(*U003644 002*); $11,890

WITTENBERG UNIVERSITY
(*U003645 001*); $4,185

WRIGHT STATE UNIVERSITY
(*U003646 002*); $15,690

YOUNGSTOWN STATE UNIVERSITY
(*U003648 002*); $8,860

OKLAHOMA

CAMERON STATE AGRICULTURAL COLLEGE
(*U004123*); $1,674

EAST CENTRAL STATE COLLEGE
(*U003981 001*); $9,745

LANGSTON UNIVERSITY
(*U003651 002*); $8,483

OKLAHOMA CHRISTIAN COLLEGE
(*U004124*); $8,370

OKLAHOMA CITY UNIVERSITY
(*U003653 001*); $8,370

OKLAHOMA STATE UNIVERSITY
(*U003654 002*); $51,245

SOUTHWESTERN STATE COLLEGE
(*U003655 002*); $8,841

UNIVERSITY OF OKLAHOMA
(*U003656 002*); $34,109

UNIVERSITY OF TULSA
(*U003657 002*); $2,511

OREGON

LINFIELD COLLEGE
(*U004125*); $9,369

OREGON STATE UNIVERSITY
(*U003662 002*); $72,911

PORTLAND COMMUNITY COLLEGE
(*U004126*); $1,674

PORTLAND STATE UNIVERSITY
(*U003663 002*); $9,444

REED COLLEGE
(*U003664 002*); $10,165

SOUTHERN OREGON COLLEGE
(*U003665 002*); $8,502

UNIVERSITY OF OREGON - EUGENE
(*U003666 002*); $68,680

PENNSYLVANIA

ALLEGHENY COLLEGE
(*U003669 002*); $2,511

BRYN MAWR COLLEGE
(*U003670 002*); $10,027

BUCKNELL UNIVERSITY
(*U003671 002*); $9,482

BUCKS COUNTY COMMUNITY COLLEGE
(*U004127*); $1,674

CARNEGIE-MELLON UNIVERSITY
(*U003672 002*); $67,797

DICKINSON COLLEGE
(*U003675 002*); $8,445

DREXEL UNIVERSITY
(*U003676 002*); $28,514

DUQUESNE UNIVERSITY
(*U003677 002*); $8,370

ELIZABETHTOWN COLLEGE
(*U003679 002*); $4,185

FRANKLIN AND MARSHALL COLLEGE
(*U003680 002*); $9,274

GENEVA COLLEGE
(*U004128*); $5,859

HAHNEMANN MEDICAL COLLEGE AND HOSPITAL
(*U003683 002*); $12,743

HAVERFORD COLLEGE
(*U003684 002*); $8,935

HOLY FAMILY COLLEGE
(*U004129*); $2,511

JUNIATA COLLEGE
(*U003686 002*); $5,859

LAFAYETTE COLLEGE
(*U003687 002*); $2,389

LEHIGH UNIVERSITY
(*U003688 002*); $46,993

LINCOLN UNIVERSITY
(*U003689 002*); $8,558

LOCK HAVEN STATE COLLEGE
(*U004130*); $1,674

LYCOMING COLLEGE
(*U003690 002*); $4,185

MEDICAL COLLEGE OF PENNSYLVANIA
(*U003710 002*); $10,483

MESSIAH COLLEGE
(*U004131*); $837

MILLERSVILLE STATE COLLEGE
(*U003692 002*); $1,674

MUHLENBERG COLLEGE
(*U003693 002*), $5,859

PENNSYLVANIA STATE UNIVERSITY
(*U003695 002*), $78,314

PHILADELPHIA COLLEGE OF TEXTILES AND SCIENCE
(*U003697 001*), $9,312

PMC COLLEGES
(*U003694 002*); $8,747

SHIPPENSBURG STATE COLLEGE
(*U003994 001*); $3,348

SLIPPERY ROCK STATE COLLEGE
(*U004132*); $8,427

SUSQUEHANNA UNIVERSITY
(*U003995 001*); $5,022

SWARTHMORE COLLEGE
(*U003699 002*), $10,935

TEMPLE UNIVERSITY
(*U003700 002*); $33,582

THOMAS JEFFERSON UNIVERSITY HOSPITAL
(*U003685 002*); $13,463

UNIVERSITY OF PENNSYLVANIA
(*U003702 002*); $78,142

UNIVERSITY OF PITTSBURGH
(*U003703 002*); $66,847

UNIVERSITY OF SCRANTON
(*U004133*); $1,674

WESTMINSTER COLLEGE
(*U003708 002*); $3,348

WILSON COLLEGE
(*U003709 001*); $1,674

PUERTO RICO

UNIVERSITY OF PUERTO RICO SYSTEM OFFICE
(*U003828 002*); $24,428

UNIVERSITY OF PUERTO RICO, MAYAGUEZ
(*U003829 002*); $33,318

UNIVERSITY OF PUERTO RICO, RIO PIEDRAS
(*U003830 002*); $9,274

RHODE ISLAND

BROWN UNIVERSITY
(*U003711 002*); $52,643

PROVIDENCE COLLEGE
(*U003712 002*); $8,653

RHODE ISLAND COLLEGE
(*U003713 002*); $8,558

UNIVERSITY OF RHODE ISLAND
(*U003714 002*); $48,692

SOUTH CAROLINA

CLAFLIN COLLEGE
(*U004134*); $1,674

CLEMSON UNIVERSITY
(*U003715 002*); $42,063

FURMAN UNIVERSITY
(*U003717 002*); $8,465

MEDICAL UNIVERSITY OF SOUTH CAROLINA
(*U003718 002*); $17,548

SOUTH CAROLINA STATE COLLEGE
(*U003719 002*); $8,671

UNIVERSITY OF SOUTH CAROLINA
(*U003720 002*); $18,268

SOUTH DAKOTA

AUGUSTANA COLLEGE
(*U003722 002*); $8,935

SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY
(*U003725 002*); $20,946

SOUTH DAKOTA STATE UNIVERSITY
(*U003726 002*); $34,886

UNIVERSITY OF SOUTH DAKOTA
(*U003727 002*), $11,253

TENNESSEE

CLEVELAND STATE COMMUNITY COLLEGE
(*U004135*); $1,674

FISK UNIVERSITY
(*U004006 001*); $8,747

GEORGE PEABODY COLLEGE FOR TEACHERS
(*U003731 002*), $12,107

MEMPHIS STATE UNIVERSITY
(*U003734 002*); $11,990

SOUTHWESTERN AT MEMPHIS
(*U003736 001*); $6,696

TENNESSEE STATE UNIVERSITY
(*U003737 002*); $9,462

TENNESSEE TECHNOLOGICAL UNIVERSITY
(*U003738 002*); $10,718

UNIVERSITY OF TENNESSEE SYSTEM OFFICE
(*U003739 002*); $16,376

UNIVERSITY OF TENNESSEE, KNOXVILLE
(*U003740 002*); $67,307

VANDERBILT UNIVERSITY
(*U003742 002*); $39,632

TEXAS

BAYLOR COLLEGE OF MEDICINE
(*U004136*); $28,178

BAYLOR UNIVERSITY
(*U003744 002*), $14,685

BISHOP COLLEGE
(*U004137*); $8,935

DALLAS COUNTY JUNIOR COLLEGE DISTRICT
(*U004138*); $1,674

HOUSTON BAPTIST COLLEGE
(*U004139*); $9,105

LAMAR UNIVERSITY
(*U003745 002*); $8,671

MCLENNAN COMMUNITY COLLEGE
(*U004140*); $1,674

MCMURRY COLLEGE
(*U004141*); $1,674

NORTH TEXAS STATE UNIVERSITY
(*U003747 002*); $9,274

PRAIRIE VIEW AGRICULTURAL & MECHANICAL COLLEGE
(*U003749 002*); $9,557

RICE UNIVERSITY
(*U003750 002*); $60,846

SAM HOUSTON STATE UNIVERSITY
(*U003751 002*); $6,696

SAN ANTONIO COLLEGE
(*U004142*); $1,674

SOUTHERN METHODIST UNIVERSITY
(*U003752 002*); $30,609

SOUTHWEST TEXAS STATE UNIVERSITY
(*U003753 002*); $8,691

SOUTHWESTERN UNIVERSITY
(*U004015 001*); $1,674

STEPHEN F AUSTIN STATE UNIVERSITY
(*U003754 001*); $8,653

SUL ROSS STATE UNIVERSITY
(*U003755 001*); $8,502

TARRANT COUNTY JUNIOR COLLEGE
(*U004143*); $5,859

TEXAS A & I UNIVERSITY
(*U004018 001*); $9,274

TEXAS A & M UNIVERSITY
(*U003756 002*); $76,142

TEXAS CHRISTIAN UNIVERSITY
(U003757 002); $12,409

TEXAS SOUTHERN UNIVERSITY
(U004144); $8,766

TEXAS TECH UNIVERSITY
(U003759 002); $20,745

TEXAS WOMANOS UNIVERSITY
(U003760 002); $9,161

TRINITY UNIVERSITY
(U003761 002); $8,596

UNIV OF TEXAS AT ARLINGTON
(U003765 002); $9,331

UNIV OF TEXAS AT AUSTIN
(U003766 002); $86,013

UNIV OF TEXAS AT DALLAS
(U004080 001); $54,669

UNIV OF TEXAS AT EL PASO
(U003767 002); $16,543

UNIV OF TEXAS SYSTEM OFFICE
(U003764 002); $38,577

UNIVERSITY OF HOUSTON
(U003762 002); $32,205

UNIVERSITY OF ST THOMAS
(U003763 002); $4,185

WEST TEXAS STATE UNIVERSITY
(U004021 001); $8,502

UTAH

BRIGHAM YOUNG UNIVERSITY
(U003768 002); $17,682

UNIVERSITY OF UTAH
(U003769 002); $73,041

UTAH STATE UNIVERSITY
(U003770 002); $58,117

WEBER STATE COLLEGE
(U003771 002); $8,653

VERMONT

MIDDLEBURY COLLEGE
(U004145); $8,992

TRINITY COLLEGE
(U004146); $10,027

UNIVERSITY OF VERMONT
(U003774 002); $29,672

WINDHAM COLLEGE
(U003775 002); $5,859

VIRGIN ISLANDS

COLLEGE OF THE VIRGIN ISLANDS
(U003831 002); $10,550

VIRGINIA

COLLEGE OF WILLIAM AND MARY
(U003776 002); $20,327

HAMPDEN-SYDNEY COLLEGE
(U003778 002); $6,696

HAMPTON INSTITUTE
(U004023 001); $10,316

HOLLINS COLLEGE
(U003779 002); $8,917

MADISON COLLEGE
(U003780 001); $1,674

MARY BALDWIN COLLEGE
(U004147); $1,674

NORFOLK STATE COLLEGE
(U004025 001); $8,578

OLD DOMINION UNIVERSITY
(U003781 002); $17,129

RADFORD COLLEGE
(U004026 001); $837

ROANOKE COLLEGE
(U003783 002); $8,935

UNIVERSITY OF RICHMOND
(U004028 001); $8,408

UNIVERSITY OF VIRGINIA
(U003784 002); $51,563

VIRGINIA COMMONWEALTH UNIVERSITY
(U003785 002); $21,716

VIRGINIA MILITARY INSTITUTE
(U003786 002); $9,010

VIRGINIA POLYTECHNIC INSTITUTE
(U003787 002); $53,915

VIRGINIA STATE COLLEGE
(U003788 002); $9,048

WASHINGTON AND LEE UNIVERSITY
(U003789 002); $8,935

WASHINGTON

EASTERN WASHINGTON STATE COLLEGE
(U004029 001); $6,696

GRAYS HARBOR COLLEGE
(U003792 001); $3,348

PACIFIC LUTHERAN UNIVERSITY
(U003793 002); $5,859

SEATTLE COMMUNITY COLLEGE
(U004030 001); $10,902

SEATTLE UNIVERSITY
(U003795 002); $4,185

UNIVERSITY OF PUGET SOUND
(U003796 001); $11,103

UNIVERSITY OF WASHINGTON
(U003797 002); $88,500

WALLA WALLA COLLEGE
(U004031 001); $1,674

WASHINGTON STATE UNIVERSITY
(U003798 002); $44,851

WESTERN WASHINGTON STATE COLLEGE
(U003799 002); $10,199

WHITWORTH COLLEGE
(U004148); $1,674

WEST VIRGINIA

BETHANY COLLEGE
(U004149); $7,533

MARSHALL UNIVERSITY
(U003803 001); $8,841

WEST VIRGINIA INSTITUTE OF TECHNOLOGY
(U003805 002); $19,105

WEST VIRGINIA UNIVERSITY
(U003806 002); $45,738

WHEELING COLLEGE
(U003807 002); $5,859

WISCONSIN

BELOIT COLLEGE
(U004150); $8,389

CARTHAGE COLLEGE
(U004151); $1,674

HOLY FAMILY COLLEGE
(U004152); $1,674

LAWRENCE UNIVERSITY
(U003811 001); $8,615

MARQUETTE UNIVERSITY
(U003812 002); $15,171

MEDICAL COLLEGE OF WISCONSIN
(U004153); $8,992

UNIVERSITY OF WISCONSIN SYSTEM OFFICE
(U003816 002); $1,674

UNIVERSITY OF WISCONSIN, GREEN BAY
(U004034 001); $1,674

UNIVERSITY OF WISCONSIN, MADISON
; *(U003817 002)*; $93,572

UNIVERSITY OF WISCONSIN, MILWAUKEE
; *(U003818 002)*; $14,886

UNIVERSITY OF WISCONSIN, PARKSIDE
; *(U004154)*; $8,521

VITERBO COLLEGE
; *(U004155)*; $1,674

WISCONSIN STATE UNIVERSITY, OSHKOSH
; *(U003820 002)*; $5,022

WISCONSIN STATE UNIVERSITY, PLATTEVILLE
; *(U003821 001)*; $1,674

WISCONSIN STATE UNIVERSITY, STEVENS POINT
; *(U003823 002)*; $8,427

WYOMING

UNIVERSITY OF WYOMING
; *(U003827 002)*; $36,219

UNIVERSITY SCIENCE DEVELOPMENT PROGRAM

FLORIDA

FLORIDA STATE UNIVERSITY
MARSHALL, J STANLEY; *USD SUPPLEMENTARY PROPOSAL-FLORIDA STATE UNIVERSITY (U002612 001)*; 24 MONTHS $1,200,000

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON
RYAN, JOHN W; *USD SUPPLEMENTARY PROPOSAL-INDIANA UNIVERSITY, BLOOMINGTON (U002003 003)*; 24 MONTHS $1,470,000

PURDUE UNIVERSITY
HANSEN, ARTHUR G; *USD SUPPLEMENTARY PROPOSAL-PURDUE UNIVERSITY (U001589 001)*; 24 MONTHS $300,000

MICHIGAN

MICHIGAN STATE UNIVERSITY
WHARTON, CLIFTON R; *USD SUPPLEMENTARY PROPOSAL-MICHIGAN STATE UNIVERSITY (U002648 002)*; 24 MONTHS $1,180,000

NEW YORK

NEW YORK UNIVERSITY
HESTER, JAMES M; *USD SUPPLEMENTARY PROPOSAL-NEW YORK UNIVERSITY (U003186 002)*; 24 MONTHS $1,600,000

NORTH CAROLINA

DUKE UNIVERSITY
SANFORD, TERRY; *USD SUPPLEMENTARY PROPOSAL-DUKE UNIVERSITY (U002018 001)*; 24 MONTHS $650,000

PENNSYLVANIA

CARNEGIE-MELLON UNIVERSITY
SCHATZ, EDWARD R; *USD SUPPLEMENTARY PROPOSAL-CARNEGIE-MELLON UNIVERSITY (U002056 002)*, 22 MONTHS $450,000

UNIVERSITY OF PITTSBURGH
POSVAR, WESLEY W; *USD SUPPLEMENTARY PROPOSAL-UNIVERSITY OF PITTSBURGH (U003184 001)*; 15 MONTHS $800,000

TENNESSEE

VANDERBILT UNIVERSITY
HEARD, ALEXANDER; *USD SUPPLEMENTARY PROPOSAL-VANDERBILT UNIVERSITY (U002057 001)*; 24 MONTHS $1,350,000

VIRGINIA

APPLIED DATA RESEARCH INC-PRINCETON-APPLIED DATA RESEARCH -WASHINGTON
HOLMBURG, DALE; *REPORTING SYSTEM ON THE FINANCIAL AND PERSONNEL STATUS OF NSF INSTITUTIONAL GRANTEES (C683004)*; 2 MONTHS $3,475

COMPUTING ACTIVITIES

COMPUTER SCIENCE AND ENGINEERING

ARIZONA

VAN NORTON, ROGER; *OTHER PROGRAM AWARDS (01AWDS*)*; 12 MONTHS $38,200

CALIFORNIA

CLAREMONT COLLEGES SYSTEM OFFICE
MCCORMICK, STEPHEN F; *A NUMERICAL INVESTIGATION OF ITERATIVE METHODS FOR THE SOLUTION OF THE LINEAR EIGENVALUE PROBLEM (J034737)*; 24 MONTHS $31,300

STANFORD RESEARCH INSTITUTE
KAUTZ, W H; *SURVEY OF SOVIET SWITCHING AND AUTOMATA THEORY (J031625)*; 12 MONTHS $35,000
GREEN, M W; *A SYSTEM CONCEPT FOR THE PRODUCTION OF RUGGED COMPUTER PROGRAMS (J032212)*; 24 MONTHS $196,000

STANFORD UNIVERSITY
FELDMAN, JEROME A; *GRAMMATICAL COMPLEXITY AND INFERENCE (J000776)*; 24 MONTHS $121,000
HERRIOT, JOHN G, AND FORSYTHE, GEORGE E; *NUMERICAL ANALYSIS (J029988 X00)*; 12 MONTHS $57,300
FORSYTHE, GEORGE E, AND HERRIOT, JOHN G; *NUMERICAL ANALYSIS (J029988 X01)*; 12 MONTHS $66,500
DANTZIG, GEORGE B; *MATHEMATICAL PROGRAMMING LANGUAGE (J030408 X00)*; 12 MONTHS $40,800
HILLIER, FREDERICK S; *ALGORITHMS FOR INTEGER LINEAR AND NONLINEAR PROGRAMMING (J031521)*; 24 MONTHS $51,700
FLOYD, ROBERT W; *MINIMAL ALGORITHMS, PROGRAMMING LANGUAGES, AND INTERACTIVE PROGRAMMING (J033170 X00)*; 12 MONTHS $78,200

UNIVERSITY OF CALIFORNIA, BERKELEY
HARRISON, MICHAEL A, AND KARP, RICHARD M; *THEORY OF COMPUTATION (J000474 002)*; 24 MONTHS $152,900
HARRISON, MICHAEL A, AND KARP, RICHARD M; *THEORY OF COMPUTATION (J000474 003)*; $2,000
MAURER, W D; *STUDENT ORIENTED RESEARCH IN PROGRAM VERIFICATION (J031612)*; 24 MONTHS $160,000
FERRARI, D, AND GILL, A; *THEORY OF DATA STRUCTURES (J031734)*; 24 MONTHS $49,100
GRAHAM, MARTIN; *COMPUTER SYSTEMS RESEARCH (J031772)*; 18 MONTHS $61,300
MORRIS, JAMES H JR; *PROGRAMMING LANGUAGES (J034342 X00)*; 12 MONTHS $72,400

UNIVERSITY OF CALIFORNIA, LOS ANGELES
ESTRIN, GERALD; *MODELING AND MEASUREMENT OF COMPUTER SYSTEMS (J000809 001)*; 12 MONTHS $184,500
AVIZIENIS, ALGIRDAS; *FAULT-TOLERANT COMPUTING (J033007 X00)*; 12 MONTHS $113,900

UNIVERSITY OF CALIFORNIA, RIVERSIDE
CHALMERS, B L; *REGIONAL CONFERENCE IN APPROXIMATION THEORY (J033610)*; 12 MONTHS $8,500

UNIVERSITY OF CALIFORNIA, SAN DIEGO
SAVITCH, WALTER J; *ANALYSIS OF NONDETERMINISTIC ALGORITHMS (J027278 001)*; 18 MONTHS $23,100
BURKHARD, WALTER A; *SOME FILE STRUCTURING AND SEARCHING PROBLEMS (J034655)*; 18 MONTHS $16,000

UNIVERSITY OF CALIFORNIA, SANTA BARBARA
PRESSER, LEON, AND WOOD, ROGER C; *ON-LINE TRANSLATOR WRITING SYSTEM (J031949)*; 24 MONTHS $75,800

COLORADO

UNIVERSITY OF COLORADO
WAITE, WILLIAM M; *PORTABLE PROGRAMMING SYSTEMS (J032471)*; 24 MONTHS $97,600

CONNECTICUT

UNIVERSITY OF CONNECTICUT
SHOLL, HOWARD A; *MICROPROGRAMMED MEMORY APPLICATION TO LANGUAGE PROCESSING TASKS (J032300)*; 24 MONTHS $64,800

HAWAII

UNIVERSITY OF HAWAII
PAGER, DAVID, AND PETERSON, W WESLEY; *A THEORETICAL AND PRACTICAL STUDY OF PROGRAMMING EFFICIENCY (J000596 001)*; 24 MONTHS $145,100
WATANABE, M S; *WORKSHOP ON POSSIBILITIES AND LIMITATIONS OF ARTIFICIAL INTELLIGENCE (J029990)*, 12 MONTHS $2,550

ILLINOIS

NORTHWESTERN UNIVERSITY
HENSCHEN, LAWRENCE J; *RESEARCH INITIATION - HIGHER-ORDER THEOREM-PROVING USING N-SORTED LOGIC (J032717)*; 18 MONTHS $16,000

UNIVERSITY OF CHICAGO
DALEY, ROBERT P, AND GOLDSTINE, JONATHAN; *RESEARCH IN LANGUAGES AND COMPLEXITY (J031223)*; 24 MONTHS $60,100

ASHENHURST, ROBERT L; *DEVELOPMENT OF A MINICOMPUTER INTERFACING SUPPORT SYSTEM* (J033084 X00*); 12 MONTHS $219,800

UNIVERSITY OF ILLINOIS AT URBANA

PHILLIPS, J R; *COMPUTER LANGUAGES FOR MATHEMATICS AND NUMERICAL ANALYSIS* (J000328 001); 24 MONTHS $64,200

MUROGA, SABURO; *LOGIC NETWORK DESIGN BY INTEGER PROGRAMMING* (J000503 001); 24 MONTHS $65,900

NIEVERGELT, JURG, AND REINGOLD, EDWARD M; *COMPUTATIONAL ASPECTS OF COMBINATORIAL ALGORITHMS* (J031222); 24 MONTHS $115,300

BITZER, D L, JOHNSON, R L, AND CHIEN, R T; *PLASMA DISPLAY TECHNIQUE APPLICATIONS* (J031765); 24 MONTHS $124,500

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

PROSSER, FRANKLIN; *REGIONAL CONFERENCE IN COMPUTER SCIENCE* (J033611); 12 MONTHS $10,000

PURDUE UNIVERSITY

BAYER, RUDOLF, HALSTEAD, MAURICE, NUNAMAKER, JAY, SCHNEIDER, VICTOR, AND SHEN, VINCENT; *INVERSE COMPILATION STUDIES* (J031572); 24 MONTHS $217,200

IOWA

IOWA STATE UNIVERSITY OF SCIENCE & TECHNOLOGY

STEWART, ROBERT M, AND ZINGG, ROY J; *TIME-SHARED COMPUTER SYSTEMS RESEARCH* (J033097 X00); 12 MONTHS $142,400

UNIVERSITY OF IOWA

MUKHOPADHYAY, AMAR; *CELLULAR LOGIC ARRAYS, MACHINES AND COMPUTATIONS* (J000723 001); 24 MONTHS $89,300

ALTON, DONALD A; *DIVERSITY OF SPEED-UPS AND OPTIMAL PROGRAMS IN COMPUTATIONAL COMPLEXITY* (J033168); 24 MONTHS $11,800

MARYLAND

UNIVERSITY OF MARYLAND, COLLEGE PARK

MINKER, JACK; *MECHANISMS FOR AUTOMATICALLY PERFORMING INFERENCE* (J031456); 24 MONTHS $73,300

DEUTSCH, EDWARD S, AND ROSENFELD,; *PICTURE DESCRIPTION* (J032258 X00); 12 MONTHS $116,700

CHU, YAOHAN; *LANGUAGE-DIRECTED COMPUTER SYSTEMS* (J033013); 24 MONTHS $155,900

MASSACHUSETTS

BRANDEIS UNIVERSITY

BUCHSBAUM, DAVID A; *COMPUTER APPLICATIONS IN ALGEBRA AND TOPOLOGY* (P031503*); 12 MONTHS $9,900

HARVARD UNIVERSITY

LEWIS, FORBES D; *ABSTRACT COMPUTATIONAL COMPLEXITY* (J030076); 15 MONTHS $15,000

BOOK, RONALD V; *RESEARCH ON THEORY OF COMPUTING- FORMAL LANGUAGE THEORY* (J030409); 20 MONTHS $32,300

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

FREDKIN, EDWARD; *FUNDAMENTAL RESEARCH IN COMPUTER SCIENCE* (J034671); 24 MONTHS $850,000

UNIVERSITY OF MASSACHUSETTS, AMHERST

FOSTER, CAXTON C; *MACHINE LANGUAGE UTILIZATION AND OPTIMIZATION* (J031011); 24 MONTHS $50,300

EHRICH, ROGER W; *CONTEXTUAL RECOGNITION OF HANDWRITTEN WORDS* (J031275); 24 MONTHS $29,600

MICHIGAN

UNIVERSITY OF MICHIGAN

BURKS, ARTHUR W, AND HOLLAND, JOHN H; *FORMAL MODELING AND SIMULATION OF NATURAL SYSTEMS* (J029989 X00); 12 MONTHS $130,000

REITMAN, WALTER; *NATURAL LANGUAGE COMMUNICATION IN A PERSONAL INFORMATION RETRIEVAL SYSTEM* (J031339 X00); 12 MONTHS $43,600

MINNESOTA

UNIVERSITY OF MINNESOTA

KAIN, R Y; *COMPUTER MEMORY SPACE MANAGEMENT* (J032504); 24 MONTHS $69,000

UNIVERSITY OF MINNESOTA-INSTITUTE OF TECHNOLOGY

ROSEN, J B; *INTERACTIVE GRAPHICAL METHODS FOR GENERALIZED APPROXIMATION AND OPTIMIZATION PROBLEMS* (J032552); 24 MONTHS $152,000

MISSOURI

UNIVERSITY OF MISSOURI, ROLLA

STIGALL, PAUL D; *DYNAMIC MICROPROGRAMMING- A WORKABLE MODEL AND SOFTWARE IMPLICATIONS* (J032596); 24 MONTHS $49,900

WASHINGTON UNIVERSITY

STRAUSS, JON C, AND FRANKLIN, MARK A; *COMPUTER SYSTEM PERFORMANCE EVALUATION* (J033764 X00); 12 MONTHS $91,700

ZWART, PHILIP B; *DATA FITTING WITH PIECEWISE POLYNOMIAL SURFACES* (J034372); 24 MONTHS $56,100

NEW JERSEY

AMERICAN FEDERATION OF INFO PROCESSING SOC

GILCHRIST, BRUCE; *SUPPORT OF TRAVEL BY U.S. PARTICIPANTS IN THE U.S.-JAPAN COMPUTER CONFERENCE TO BE HELD IN TOKYO, JAPAN, OCTOBER 1972* (J033207); 12 MONTHS $24,100

PRINCETON UNIVERSITY

DENNING, PETER J, AND KELLER, ROBERT M; *MODELS FOR PROGRAM BEHAVIOR AND STRUCTURE* (J030126); 24 MONTHS $102,700

NEW MEXICO

LOS ALAMOS SCIENTIFIC LABORATORY

MORRIS, J B, AND WELLS, M B; *MACHINE INDEPENDENT DOCUMENTATION OF AN ADVANCED LANGUAGE* (AG00383); 24 MONTHS $93,800

NEW YORK

ASSOCIATION FOR COMPUTING MACHINERY

RECHARD, OTTIS W; *COMPUTER SCIENCE COURSE AND CURRICULUM DEVELOPMENT AT FOUR YEAR COLLEGES* (J001177 001); $5,000

COLUMBIA UNIVERSITY

EILENBERG, SAMUEL; *AUTOMATA, LANGUAGES, MACHINES, AND COMPLEXITY* (J034738); 24 MONTHS $118,500

CORNELL UNIVERSITY

CONSTABLE, ROBERT L; *COMPUTATIONAL COMPLEXITY AND THE THEORY OF PROGRAMMING LANGUAGES* (J000579 001); 24 MONTHS $79,300

HOROWITZ, ELLIS; *INVESTIGATIONS OF SOME ARITHMETIC AND ALGEBRAIC ALGORITHMS* (J033169); 24 MONTHS $77,500

HARTMANIS, JURIS; *AUTOMATA AND COMPUTATIONAL COMPLEXITY* (J033171 X00); 12 MONTHS $54,700

NEW YORK UNIVERSITY

GOLDSTEIN, MAX; *DEVELOPMENT OF A RESEARCH PROGRAM IN COMPUTER SCIENCES* (J001202 X01); 12 MONTHS $226,000

ABRAHAMS, PAUL W; *PARTICIPATION IN THE COMPOSITE LANGUAGE DEVELOPMENT GROUP* (J031152); 24 MONTHS $3,900

DAVIS, MARTIN; *COMPUTATION AND LOGICAL PROOF PROCEDURE* (J031363 X00); 12 MONTHS $53,900

STATE UNIVERSITY AT BUFFALO

FINDLER, NICHOLAS V; *ASSOCIATIVE MEMORY, PARALLEL PROCESSING LANGUAGE, AMPPL-II* (J000658 001); 24 MONTHS $150,500

RALSTON, ANTHONY; *RESEARCH IN APPROXIMATION THEORY* (J029987); 12 MONTHS $24,800

STATE UNIVERSITY AT STONY BROOK

SMITH, DAVID R; *AUTOMATED LOGIC SPECIFICATION AND DESIGN USING A BEHAVIORAL LANGUAGE DERIVED FROM REGULAR EXPRESSIONS* (J031556); 24 MONTHS $54,100

NORTH CAROLINA

NORTH CAROLINA STATE UNIVERSITY AT RALEIGH

STAUDHAMMER, JOHN; *COLOR COMPUTER GRAPHICS* (J031616); 36 MONTHS $204,900

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

BROOKS, FREDERICK P JR; *RESEARCH ON COMPUTER DISPLAYS - VISUAL AND KINESTHETIC* (J034697); 36 MONTHS $325,000

NORTH DAKOTA

TARESKI, VAL G; *OTHER PROGRAM AWARDS* (01AWDS); 16 MONTHS $33,150

OHIO

OHIO STATE UNIVERSITY

CSURI, CHARLES A; *SOFTWARE AND HARDWARE REQUIREMENTS FOR REAL-TIME FILM ANIMATION* (J000204 001); 24 MONTHS $159,200

BIERMANN, ALAN; *SELF-PROGRAMMING SYSTEMS- A NEW APPROACH* (J034739 X00); 12 MONTHS $25,400

PENNSYLVANIA

CARNEGIE-MELLON UNIVERSITY

ANDREWS, PETER B, AND LOVELAND, DONALD W; *PROOF PROCEDURES IN PREDICATE CALCULUS AND TYPE THEORY* (J028457 X01); 12 MONTHS $42,800

PARNAS, D L; *A TOOL FOR CONTROLLING THE COMPLEXITY OF SOFTWARE SYSTEMS* (J030127); 12 MONTHS $20,500

TRAUB, J F; *ITERATION ALGORITHMS- THEORY AND APPLICATIONS* (J032111); 12 MONTHS $27,000

PARNAS, D L; *SYSTEM FAMILY CONCEPT (J032259)*; 24 MONTHS $73,000

SIEWIOREK, DAN; *REGISTER TRANSFER LEVEL COMPUTER SYSTEMS DESIGN (J032758 X00)*; 12 MONTHS $65,900

SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS

VARGA, RICHARD S; *FIFTH SYMPOSIUM ON NUMERICAL ALGEBRA (P033392*)*; 12 MONTHS $15,100

UNIVERSITY OF PENNSYLVANIA

KRIPPENDORFF, KLAUS; *COMPUTER PROGRAMS FOR MULTIVARIATE CLASSIFICATION IN CONTENT ANALYSIS (J030530)*; 24 MONTHS $54,900

RUBINOFF, MORRIS; *INTERACTIVE GRAPHICS FOR SOLID OBJECTS (J034461)*; 24 MONTHS $65,000

UNIVERSITY OF PITTSBURGH

HALL, CHARLES A; *REGIONAL CONFERENCE ON THE NUMERICAL SOLUTION OF NONLINEAR ALGEBRAIC SYSTEMS (J033612)*; 12 MONTHS $11,700

RHODE ISLAND

BROWN UNIVERSITY

VAN DAM, ANDRIES; *COMPUTER GRAPHICS AND ITS APPLICATIONS (J028401 X01)*; 12 MONTHS $99,600

FREIBERGER, WALTER F, AND GRENANDER, ULF; *PATTERN ANALYSIS AND RECOGNITION (J031007 X00)*; 12 MONTHS $86,100

SAVAGE, JOHN E; *THE PERFORMANCE OF COMPUTING SYSTEMS AND COMPILER ANALYSIS (J032270)*; 24 MONTHS $57,700

TENNESSEE

VANDERBILT UNIVERSITY

WAGNER, ROBERT A; *FORMAL LANGUAGE ERROR CORRECTORS (J033014)*; 24 MONTHS $38,800

TEXAS

RICE UNIVERSITY

JUMP, J ROBERT; *A STUDY OF PROGRAMMABLE CELLULAR ARRAY MODELS AND APPLICATIONS (J000750 001)*; 24 MONTHS $37,400

MINNICK, ROBERT C; *DATA PRE-PROCESSING IN INTERACTIVE COMPUTER SYSTEMS (J032049)*; 24 MONTHS $110,400

KENNEDY, KENNETH W; *ADVANCED PROGRAMMING LANGUAGE DESIGN ON A TAGGED COMPUTER (J032257)*; 36 MONTHS $117,000

UNIV OF TEXAS AT AUSTIN

PRATT, TERRENCE W; *A FORMAL THEORY OF PROGRAMMING LANGUAGE DEFINITION (J000778 001)*; 24 MONTHS $34,200

YEH, RAYMOND T; *STUDIES ON MATHEMATICAL FOUNDATIONS OF SOFT ALGEBRA (J031528)*; 24 MONTHS $31,600

BLEDSOE, WOODROW W; *RESEARCH IN AUTOMATIC THEOREM PROVING (J032269)*; 24 MONTHS $83,800

WELCH, TERRY A; *RESEARCH INITIATION - ANALYSIS OF COMPUTER FILE SEARCH TECHNIQUES (J032719)*; 18 MONTHS $16,000

SIKLOSSY, LAURENT; *EXPLORATIONS IN PROBLEM SOLVING, THEOREM PROVING, THEOREM DISCOVERY AND ROBOT GUIDANCE (J034736)*; 24 MONTHS $39,300

AGGARWAL, J K; *REAL-TIME VISUAL RECOGNITION BY DIGITAL COMPUTER (K032595 X00*)*; 12 MONTHS $12,500

UTAH

UNIVERSITY OF UTAH

HEARN, ANTHONY C; *COMPUTER SOLUTION OF SYMBOLIC PROBLEMS IN THEORETICAL PHYSICS (J032181)*; 24 MONTHS $155,800

VIRGINIA

UNIVERSITY OF VIRGINIA

PFALTZ, JOHN L; *THE USE OF GRAPH STRUCTURES TO REPRESENT COMPUTER INFORMATION (J031626)*; 24 MONTHS $59,800

VIRGINIA POLYTECHNIC INSTITUTE

GRAY, FESTUS G; *RESEARCH INITIATION - THEORETICAL INVESTIGATION OF DIAGNOSABLE LOGIC SYSTEMS (J032718)*; 18 MONTHS $15,700

WASHINGTON

UNIVERSITY OF WASHINGTON

RITCHIE, ROBERT W, AND LADNER, RICHARD; *COMPUTATIONAL COMPLEXITY AND DEGREES OF DIFFICULTY (J034745 X00)*; 12 MONTHS $28,700

WASHINGTON STATE UNIVERSITY

BENSON, DAVID B; *FORMAL SYNTAX, FORMAL SEMANTICS AND NATURAL LANGUAGE COMPILERS (J001171 001)*; 24 MONTHS $67,700

PHILLIPS, JAMES L; *NUMERICAL SOLUTION OF LINEAR INTEGRAL EQUATIONS (J031827)*; 24 MONTHS $30,100

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

HALTON, JOHN H; *STUDIES IN THE THEORY AND TECHNIQUES OF THE MONTE CARLO METHOD (J029986 X00)*; 12 MONTHS $48,000

COLLINS, GEORGE E, AND CAVINESS, B F; *SYMBOLIC AND ALGEBRAIC CALCULATION (J030125 X00)*; 12 MONTHS $71,500

LANDWEBER, LAWRENCE H; *FINITE-AUTOMATA AND PREDICATE CALCULUS BASED FORMAL LANGUAGES (J033087)*; 24 MONTHS $43,200

CRYER, C W; *THE NUMERICAL ANALYSIS OF UNKNOWN BOUNDARY PROBLEMS (J033096)*; 12 MONTHS $14,400

COMPUTER APPLICATIONS IN RESEARCH

ARIZONA

VAN NORTON, ROGER; *OTHER PROGRAM AWARDS (01AWDS*)*; 12 MONTHS $1,900

CALIFORNIA

MORGAN, M GRANGER; *OTHER PROGRAM AWARDS (01AWDS)*; 24 MONTHS $56,500

CALIFORNIA INSTITUTE OF TECHNOLOGY

THOMPSON, FREDERICK B; *THE IMPLEMENTATION OF AN ADVANCED COMPUTER SYSTEM FOR SOCIAL SCIENCE RESEARCH (J031573*)*; 9 MONTHS $25,000

LAWRENCE RADIATION LABORATORY

FERNBACH, S; *SEMINAR ON FUTURE OF COMPUTING (AG00369)*; 12 MONTHS $13,000

RAND CORPORATION

BOEHM, BARRY W; *STUDIES IN THE PSYCHOLOGY OF MAN-COMPUTER PROBLEM-SOLVING (J032759)*; 24 MONTHS $147,100

UNIVERSITY OF CALIFORNIA, BERKELEY

SANGREN, WARD C; *IMPACT OF NETWORKING ON UNIVERSITY COMPUTING (J033172)*; 11 MONTHS $38,300

KAISER, HENRY F; *COMPUTER SOFTWARE FOR FACTOR ANALYSIS (J034746)*; 36 MONTHS $74,400

APPLEYARD, DONALD, AND CRAIK, KENNETH; *ENVIRONMENTAL DISPOSITIONS AND THE SIMULATION OF ENVIRONMENTS (S030984 X00*)*; 12 MONTHS $73,280

BALDERSTON, F E; *OPERATION OF A MANAGEMENT SCIENCE RESEARCH FACILITY (S032138*)*; 12 MONTHS $50,000

UNIVERSITY OF CALIFORNIA, LOS ANGELES

VIDAL, J J; *BRAIN COMPUTER INTERFACE (J032221)*; 12 MONTHS $68,900

UNIVERSITY OF CALIFORNIA, SAN DIEGO

NORMAN, DONALD A; *COMPUTER SIMULATION OF HUMAN SEMANTIC MEMORY AND COGNITION (B032235 X00*)*; 12 MONTHS $50,000

UNIVERSITY OF SOUTHERN CALIFORNIA

KAPRIELIAN, ZOHRAB A, CHRISTY, ROBERT F, AND SAXON, DAVID S; *FEASIBILITY STUDY OF COMPUTER RESOURCES SHARING -CALTECH, UCLA, USC (J032246)*; 18 MONTHS $144,200

UNIVERSITY OF CALIFORNIA, LOS ANGELES-SCHOOL OF MEDICINE

DIXON, W J; *A CONFERENCE ON STATISTICAL COMPUTING TO BE HELD IN LOS ANGELES, CALIFORNIA, SEPTEMBER 1971 (J029844 001)*; 21 MONTHS $22,400

COLORADO

UNIVERSITY OF COLORADO

FOSDICK, LLOYD D; *COLLABORATIVE RESEARCH IN PLANNING AN APPROACH TO TESTING AND DISSEMINATION OF COMPUTER PROGRAMS FOR RESEARCH AND DEVELOPMENT (J031681)*; 12 MONTHS $26,900

FOSDICK, LLOYD D; *MEETING ON VALIDATION AND DISTRIBUTION OF COMPUTER SOFTWARE (J032760)*; 6 MONTHS $8,400

SCHIFFMAN, ROBERT L; *COLLABORATIVE RESEARCH- COMPUTER BASED TECHNOLOGY TRANSFER IN CIVIL ENGINEERING (K032971 X00*)*; 12 MONTHS $73,600

UNIVERSITY OF DENVER-DENVER RESEARCH INSTITUTE

DORN, WILLIAM S, AND ROBBINS, MARTIN D; *ALTERNATIVE APPROACHES TO THE MANAGEMENT AND FINANCING OF UNIVERSITY COMPUTING CENTERS (J032368)*; 12 MONTHS $168,400

DISTRICT OF COLUMBIA

PUBLIC TECHNOLOGY INC

HAVLICK, J ROBERT; *TO DESIGN A LOCAL GOVERNMENT SOFTWARE CLEARINGHOUSE (J033326*)*; 10 MONTHS $72,300

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

PAUL, MARTIN A; *TASK ORDER FOR A STUDY OF A NATIONAL LABORATORY FOR THEORETICAL CHEMISTRY* (*C310221**); 12 MONTHS $25,000

ILLINOIS

ARGONNE NATIONAL LABORATORY

COWELL, WAYNE R; *PLANNING AN APPROACH TO TESTING AND DISSEMINATION OF COMPUTER PROGRAMS FOR RESEARCH AND DEVELOPMENT* (*AG00325*); 12 MONTHS $13,800

UNIVERSITY OF CHICAGO

ASHENHURST, ROBERT L; *DEVELOPMENT OF A MINICOMPUTER INTERFACING SUPPORT SYSTEM* (*J033084 X00**); 12 MONTHS $237,600

INDIANA

PURDUE UNIVERSITY

HARRINGTON, RODNEY B, AND GIESE, RONALD L; *RESEARCH COMPUTER TECHNIQUES IN COMPLEX LABORATORY ENVIRONMENTS* (*J028455 X01*); 12 MONTHS $151,600

ROSEN, SAUL; *SOFTWARE FOR STATISTICAL ANALYSIS* (*J030269*); 24 MONTHS $158,000

KANSAS

UNIVERSITY OF KANSAS

TEMPLETON, ARCH, KELLY, GERRY L, ROBINSON, RALPH, AND RILEY, RICHARD; *A MEDICAL IMAGE PROCESSING, ENHANCEMENT, AND DISPLAY SYSTEM* (*J028779 001*); $1,600

GILLES, PAUL W, AND CULVAHOUSE, JACK W; *COMPUTER-ASSISTED AND CONTROLLED EXPERIMENTS IN CHEMICAL PHYSICS* (*J032213*); 24 MONTHS $613,700

MARYLAND

FEDERATION OF AMER SOCIETIES FOR EXPER BIOLOGY

GRANT, ROBERT H; *CONFERENCE ON THE COMPUTER AS A RESEARCH TOOL IN THE LIFE SCIENCES* (*J035035*); 24 MONTHS $40,000

NATIONAL BUREAU OF STANDARDS

DAVIS, RUTH M; *DEVELOPMENT OF PLANS FOR A NATIONAL SCIENCE NETWORK* (*AG00350*); 6 MONTHS $111,900

MASSACHUSETTS

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

GROISSER, LEON B, AND NEGROPONTE, NICHOLAS; *COMPUTER AIDS TO PARTICIPATORY ARCHITECTURE* (*J030114*); 24 MONTHS $60,500

MISSOURI

ST LOUIS UNIVERSITY

TEPAS, DONALD I; *CONFERENCE ON THE USE OF ON-LINE COMPUTERS IN PSYCHOLOGY* (*J030857*); 12 MONTHS $12,300

NEW JERSEY

PRINCETON UNIVERSITY

DAWSON, JOHN M; *COMPUTER PLASMA PHYSICS WITH POSSIBLE EXTENSIONS* (*J033098 X00*); 12 MONTHS $80,000

RUTGERS UNIVERSITY

GORENSTEIN, DANIEL; *FINITE GROUP THEORY* (*P032319 X00**); 12 MONTHS $11,700

STEVENS INSTITUTE OF TECHNOLOGY

ROSEN, BERNARD; *AUTOMATION OF ANALYTICAL CALCULATIONS IN PHYSICS* (*J032260*); 12 MONTHS $20,000

NEW YORK

ASSOCIATION FOR COMPUTING MACHINERY

ADAMS, JAMES M; *FOUR WORKSHOPS ON MAJOR TECHNICAL ISSUES FACING THE COMPUTING PROFESSION* (*J032470*); 12 MONTHS $20,000

BROOKHAVEN LABORATORY

HAMILTON, WALTER C; *COLLABORATIVE PROJECT IN THE DEVELOPMENT OF A CRYSTALLOGRAPHIC COMPUTING NETWORK WITH THREE-DIMENSIONAL DISPLAY CAPABILITY* (*AG00370*); 12 MONTHS $274,000

COLUMBIA UNIVERSITY

PRENDERGAST, KEVIN H; *DYNAMICS OF GALAXIES* (*P027765 001**); 12 MONTHS $10,000

CORNELL UNIVERSITY

SEARLE, SHAYLE R; *VARIANCE COMPONENT ESTIMATION* (*J031746*); 24 MONTHS $89,900

HUNTER COLLEGE

BEVERIDGE, DAVID L; *REMOTE TERMINAL COMPUTER GRAPHICS* (*J032969*); 24 MONTHS $33,500

INSTITUTE OF ELECTRICAL & ELECTRONIC ENGRS INC

FINK, DONALD G; *1972 INTERNATIONAL CONFERENCE ON COMPUTER COMMUNICATIONS* (*J033239*); 12 MONTHS $31,100

QUEENS COLLEGE

BESHERS, JAMES; *A UNIVERSITY BASED URBAN INFORMATION EFFORT FOR NEW YORK CITY* (*J033205*); 12 MONTHS $54,800

UNIVERSITY OF ROCHESTER

IKER, HOWARD P; *THE RECOGNITION AND ANALYSIS OF CONTENT BY COMPUTER* (*S032241**); 24 MONTHS $10,000

NORTH CAROLINA

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

HETZEL, WILLIAM C; *MAN MACHINE SYSTEM FOR TEST DATA GENERATION* (*J030410*); 24 MONTHS $86,700

OREGON

UNIVERSITY OF OREGON - EUGENE

HIGGINS, RICHARD J; *COMPUTER ASSISTED EXPERIMENTATION IN SOLID STATE PHYSICS* (*J032786*); 12 MONTHS $56,700

PENNSYLVANIA

CARNEGIE-MELLON UNIVERSITY

EASTMAN, CHARLES M; *AUTOMATED SPACE PLANNING* (*J031188*); 24 MONTHS $60,000

REDDY, D R; *COMPUTER MODELS OF NEURAL NETWORKS* (*J032784*); 24 MONTHS $176,200

FENVES, STEVEN J; *COLLABORATIVE RESEARCH- COMPUTER BASED TECHNOLOGY TRANSFER IN CIVIL ENGINEERING* (*K032970 X00**); 12 MONTHS $34,400

RHODE ISLAND

BROWN UNIVERSITY

WEINER, JEROME H; *NUMERICAL SOLUTION OF THE TIME-DEPENDENT SCHRODINGER EQUATION* (*J030105*); 12 MONTHS $55,000

TENNESSEE

UNIVERSITY OF TENNESSEE, KNOXVILLE-SPACE INSTITUTE

HELVEY, T CHARLES; *COMPUTER APPLICATIONS IN BIOMEDICAL INSTRUMENTATION* (*J032928*); 12 MONTHS $6,400

TEXAS

TEXAS A & M UNIVERSITY

MEYER, EDGAR F; *COLLABORATIVE PROJECT IN THE DEVELOPMENT OF A CRYSTALLOGRAPHIC COMPUTING NETWORK WITH THREE-DIMENSIONAL DISPLAY CAPABILITY* (*J033248 X00*); 12 MONTHS $111,100

UTAH

UNIVERSITY OF UTAH

HARRIS, FRANK E; *COMPUTER SOFTWARE DEVELOPMENT FOR THEORETICAL CHEMISTRY* (*J033016*); 24 MONTHS $186,500

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

WHITLOCK, H W; *ORGANIC CHEMISTRY BY COMPUTER* (*J032469*); 24 MONTHS $27,000

VENEZKY, RICHARD L; *REMOTE ACCESS LEXICOGRAPHIC SYSTEM* (*J032764*); 24 MONTHS $122,400

COMPUTER INNOVATION IN EDUCATION

CALIFORNIA

CLAREMONT COLLEGES SYSTEM OFFICE

WEINGARTEN, FRED W; *A FOURTH CONFERENCE ON COMPUTERS IN THE UNDERGRADUATE CURRICULA* (*J033099*); 18 MONTHS $41,000

CLAREMONT GRADUATE SCHOOL

WEINGARTEN, FRED W; *CLAREMOUNT REGIONAL EDUCATIONAL NETWORK* (*J030555*); 12 MONTHS $34,100

STANFORD UNIVERSITY

SUPPES, PATRICK; *BASIC RESEARCH IN COMPUTER-ASSISTED INSTRUCTION* (*J000443 X03*); 12 MONTHS $385,000

UNIVERSITY OF CALIFORNIA, IRVINE

BORK, ALFRED M; *COMPUTER-BASED, INTERACTIVE GRAPHICS, IN TEACHING UNDERGRADUATE PHYSICS* (*J000296 001*); 24 MONTHS $182,000

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

HUSKEY, HARRY D; *DEVELOPMENT OF A SMALL SCALE TIME-SHARING SYSTEM AND GRAPHIC DISPLAY COMPLEX* (*J030436 X00*); 12 MONTHS $150,100

COLORADO

COLORADO STATE UNIVERSITY

HAYMAN, ROBERT W, AND LORD, WILLIAM; *COMPUTER MANAGED LEARNING- ADVANCEMENT TOWARD A STABLE EDUCATIONAL TECHNOLOGY* (*J030613*); 12 MONTHS $107,800

HAYMAN, ROBERT W, AND LORD, WILLIAM; *COMPUTER MANAGED LEARNING- ADVANCEMENT TOWARD A STABLE EDUCATIONAL TECHNOLOGY* (*J030613 001*); 12 MONTHS $2,000

DISTRICT OF COLUMBIA

DISTRICT OF COLUMBIA PUBLIC SCHOOLS

RICE, WILLIAM S; *A CURRICULUM DEVELOPMENT AND DEMONSTRATION PROJECT FOR ADP TRAINING IN THE ANACOSTIA PROJECT* (*J033173*); 15 MONTHS $129,200

DEPT. OF COMMERCE-DEPARTMENT OF COMMERCE

DAVIS, RUTH M; *COMMITTEE ON AUTOMATION OPPORTUNITIES IN THE SERVICE AREAS* (*AG00281**); 10 MONTHS $50,000

FLORIDA

BETHUNE-COOKMAN COLLEGE

POONAI, PREMSUKH; *FLORIDA REGIONAL COOPERATIVE COMPUTING ACTIVITY* (*J033302*); 27 MONTHS $11,000

EDWARD WATERS COLLEGE

GARRETT, LINDA; *FLORIDA REGIONAL COOPERATIVE COMPUTING ACTIVITY* (*J033301*); 27 MONTHS $12,900

FLORIDA JUNIOR COLLEGE

DEAN, DAVID B; *FLORIDA REGIONAL COOPERATIVE COMPUTING ACTIVITY* (*J033299*); 27 MONTHS $29,000

FLORIDA TECHNOLOGICAL UNIVERSITY

FALCONER, DAVID R; *FLORIDA REGIONAL COOPERATIVE COMPUTING ACTIVITY* (*J033305*); 27 MONTHS $18,400

JACKSONVILLE UNIVERSITY

GARDINER, ASA; *FLORIDA REGIONAL COOPERATIVE COMPUTING ACTIVITY* (*J033303*); 27 MONTHS $10,500

LAKE CITY COMMUNITY COLLEGE

ALTIERI, DONALD P; *FLORIDA REGIONAL COOPERATIVE COMPUTING ACTIVITY* (*J033297*); 27 MONTHS $196,600

SANTA FE JUNIOR COLLEGE

DEARN, DAVID B; *FLORIDA REGIONAL COOPERATIVE COMPUTING ACTIVITY* (*J033300*); 27 MONTHS $17,900

STETSON UNIVERSITY

MEDLIN, GENE W; *FLORIDA REGIONAL COOPERATIVE COMPUTING ACTIVITY* (*J033304*); 27 MONTHS $12,200

UNIVERSITY OF NORTH FLORIDA

SIMMONS, FRED H; *FLORIDA REGIONAL COOPERATIVE COMPUTING ACTIVITY* (*J033306*); 27 MONTHS $13,000

VALENCIA COMMUNITY COLLEGE

EDWARDS, LOUIS; *FLORIDA REGIONAL COOPERATIVE COMPUTING ACTIVITY* (*J033298*); 27 MONTHS $16,200

GEORGIA

PAINE COLLEGE

MCCAIN, THOMAS C; *EXPERIMENT IN THE DEVELOPMENT OF A REGIONAL COMPUTER CENTER* (*J001149 001*); $2,000

SOUTHERN REGIONAL EDUCATION BOARD

SWOYER, VINCENT H, AND HAMBLEN, JOHN W; *CONTRACT FOR SURVEY AND ANALYSIS OF COMPUTING ACTIVITIES IN UNITED STATES HIGHER EDUCATION, TASK I-B-1* (*C604000 002*); 3 MONTHS $8,380

HAMBLEN, HOHN W; *EXPERIMENT ON MINI - COMPUTERS* (*J001072 001*); $5,000

HAMBLEN, JOHN W; *1972 CONFERENCE ON COMPUTERS IN THE UNDERGRADUATE CURRICULA* (*J030946*); 12 MONTHS $44,700

HAMBLEN, JOHN W; *INTERNATIONAL WORKSHOP ON COMPUTER EDUCATION FOR TEACHERS IN SECONDARY EDUCATION IN CONJUNCTION WITH THE 1972 CONFERENCE ON COMPUTERS IN THE UNDERGRADUATE CURRICULA* (*J030946 001*); 12 MONTHS $20,000

HAWAII

UNIVERSITY OF HAWAII

ABRAMSON, NORMAN; *PACIFIC EDUCATIONAL COMPUTER NETWORK STUDY* (*J033220**); 24 MONTHS $68,700

ILLINOIS

UNIVERSITY OF ILLINOIS AT URBANA

BITZER, DONALD L; *DEMONSTRATION AND EVALUATION OF THE PLATO IV COMPUTER-BASED EDUCATION SYSTEM* (*C723000*); 48 MONTHS $1,000,000

BITZER, DONALD L; *LARGE-SCALE COMPUTER-BASED EDUCATION EXPERIMENT* (*J029981 001*); 6 MONTHS $275,000

INDIANA

PURDUE UNIVERSITY

PERONE, SAM P; *INCORPORATION OF DIGITAL COMPUTER TECHNOLOGY INTO THE UNDERGRADUATE CHEMISTRY LABORATORY* (*J000428 001*); 18 MONTHS $55,900

IOWA

UNIVERSITY OF IOWA

BOYNTON, G R; *CURRICULUM DEVELOPMENT IN THE SOCIAL SCIENCES* (*J030147*); 12 MONTHS $95,000

WEEG, GERARD P; *AN EXPERIMENT IN THE TRANSPORTABILITY OF COMPUTER-BASED CURRICULUM MATERIALS* (*J031756*); 12 MONTHS $62,400

MASSACHUSETTS

BOLT BERANEK AND NEWMAN INC

FEURZEIG, WALLACE; *TECHNOLOGY FOR ANALYSIS OF STUDENT INTERACTIONS WITH COMPLEX PROGRAMS* (*C708000*); 12 MONTHS $103,585

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

PAPERT, SEYMOUR; *COMPUTER-BASED CURRICULAR RESEARCH IN ELEMENTARY EDUCATION* (*J001049 003*); 24 MONTHS $201,500

KAPLOW, ROY; *A TEACHER-INTERACTIVE COMPUTER SYSTEM (TICS)* (*J030106 X00*); 12 MONTHS $73,500

NEW ENGLAND REGIONAL COMPUTING PROGRAM

MORSE, PHILIP M, AND ROLLA, ROBERT A; *AN EXPERIMENT TO DETERMINE THE EDUCATIONAL SERVICES DEMANDED BY USERS OF A MULTI-COMPUTER NETWORK* (*J001137 002*); 12 MONTHS $60,000

MICHIGAN

UNIVERSITY OF MICHIGAN

TEICHROEW, DANIEL; *CURRICULUM DEVELOPMENT IN MANAGEMENT INFORMATION SYSTEMS EDUCATION IN COLLEGES AND UNIVERSITIES* (*J000356 001*); 16 MONTHS $8,000

NEBRASKA

UNIVERSITY OF NEBRASKA AT LINCOLN

WILKINS, CHARLES L; *DEVELOPMENT OF AN UNDERGRADUATE COURSE IN THE USE OF DIGITAL COMPUTERS WITH CHEMISTRY INSTRUMENTATION* (*J000441 001*); 18 MONTHS $43,600

NEW HAMPSHIRE

DARTMOUTH COLLEGE

KURTZ, THOMAS E; *AN EXPERIMENT IN THE TRANSPORTABILITY OF COMPUTER-BASED CURRICULUM MATERIALS* (*J031754*); 12 MONTHS $53,300

NEW JERSEY

EDUCATIONAL TESTING SERVICE

ANASTASIO, ERNEST J; *REVIEW AND EVALUATION OF TWO CAI PROJECTS* (*C731000*); 53 MONTHS $100,000

KATZ, MARTIN R; *VALIDATION OF A SYSTEM OF INTERACTIVE GUIDANCE IN A TWO-YEAR COLLEGE* (*J033206*); 24 MONTHS $100,900

NEW YORK

AGRICULTURAL AND TECH COLLEGE AT ALFRED

BURNS, LAWRENCE E; *NEW YORK EDUCATIONAL COMPUTER CONSORTIUM* (*J033145*); 27 MONTHS $21,900

ARGICULTURAL AND TECH COLLEGE AT DELHI

BRACH, RONALD C; *NEW YORK EDUCATIONAL COMPUTER CONSORTIUM* (*J033150*); 27 MONTHS $16,000

BROOME COMMUNITY COLLEGE

DOUGHERTY, EDWARD F; *NEW YORK EDUCATIONAL COMPUTER CONSORTIUM* (*J033146*); 27 MONTHS $4,900

COLLEGE AT CORTLAND

BANSE, ANDREW; *NEW YORK EDUCATIONAL COMPUTER CONSORTIUM* (*J033149*); 27 MONTHS $18,700

COLLEGE AT FREDONIA

BAYDALA, EDWARD T; *NEW YORK EDUCATIONAL COMPUTER CONSORTIUM* (*J033152*); 27 MONTHS $26,200

COLLEGE AT GENESEO

DEUTSCH, EDNA W; *NEW YORK EDUCATIONAL COMPUTER CONSORTIUM* (*J033154*); 27 MONTHS $29,100

COLLEGE AT OSWEGO

VAN DYK, OEBELE G; *NEW YORK EDUCATIONAL COMPUTER CONSORTIUM* (*J033157*); 27 MONTHS $25,500

COLLEGE AT PLATTSBURGH

SHEATS, GEORGE F; *NEW YORK EDUCATIONAL COMPUTER CONSORTIUM* (*J033158*); 27 MONTHS $25,600

COLLEGE AT POTSDAM

STILLMAN, ALAN H; *NEW YORK EDUCATIONAL COMPUTER CONSORTIUM (J033159)*; 27 MONTHS $25,700

COLUMBIA-GREENE COMMUNITY COLLEGE

POWERS, THOMAS J; *NEW YORK EDUCATIONAL COMPUTER CONSORTIUM (J033147)*; 27 MONTHS $15,500

COMMUNITY COLLEGE OF THE FINGER LAKES

HENDERSON, FREDERICK R; *NEW YORK EDUCATIONAL COMPUTER CONSORTIUM (J033151)*; 27 MONTHS $22,200

CORNING COMMUNITY COLLEGE

FRANK, DAVID C; *NEW YORK EDUCATIONAL COMPUTER CONSORTIUM (J033148)*; 27 MONTHS $22,[illegible]00

FULTON-MONTGOMERY COMMUNITY COLLEGE

COLE, ROBERT C; *NEW YORK EDUCATIONAL COMPUTER CONSORTIUM (J033153)*; 27 MONTHS $20,600

JAMESTOWN COMMUNITY COLLEGE

PANZARELLA, MARION A; *NEW YORK EDUCATIONAL COMPUTER CONSORTIUM (J033155)*; 27 MONTHS $22,400

MARITIME COLLEGE

BOWMAN, RONALD C; *NEW YORK EDUCATIONAL COMPUTER CONSORTIUM (J033156)*; 27 MONTHS $25,000

STATE UNIVERSITY AT BINGHAMTON

ROBERTSON, ROBERT E; *NEW YORK EDUCATIONAL COMPUTER CONSORTIUM (J033144)*; 27 MONTHS $349,000

SYRACUSE UNIVERSITY

DAVIS, ROBERT B; *A STUDY OF COMPUTER-BASE ELEMENTARY PROBLEM-SOLVING SKILLS IN MATHEMATICS USING A COMPUTER PROGRAMMING LANGUAGE (LOGO) (J032222)*; 12 MONTHS $89,739

NORTH CAROLINA

NORTH CAROLINA BOARD OF HIGHER EDUCATION

DENK, JOSEPH R; *EXTENSION OF CURRICULUM DEVELOPMENT ACTIVITIES BY NCECS (J000726 002)*; 12 MONTHS $69,700

BLUM, RONALD; *AN EXPERIMENT IN THE TRANSPORTABILITY OF COMPUTER-BASED CURRICULUM MATERIALS (J031752)*; 12 MONTHS $110,442

PARKER, LOUIS T; *AN EXPERIMENT IN THE TRANSPORTABILITY OF COMPUTER-BASED CURRICULUM MATERIALS (J031755)*; 12 MONTHS $59,500

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

CALINGAERT, PETER, AND BROOKS, FREDERICK P JR; *A PROGRAM OF EXPERIMENTAL EXPLORATIONS IN COMPUTER-ASSISTED INSTRUCTION (J000755 001)*; 6 MONTHS $63,400

OREGON

OREGON STATE UNIVERSITY

HUNTER, LAWRENCE C; *AN EXPERIMENT IN THE TRANSPORTABILITY OF COMPUTER-BASED CURRICULUM MATERIALS (J031757)*; 12 MONTHS $83,328

UNIVERSITY OF OREGON - EUGENE

KLOPFENSTEIN, C E; *THE DEVELOPMENT OF THE USE OF SMALL DIGITAL COMPUTERS INTERFACED WITH CHEMICAL INSTRUMENTATION IN AN UNDERGRADUATE CHEMISTRY LABORATORY (J000393 001)*; 18 MONTHS $42,400

PENNSYLVANIA

ALLENTOWN COLLEGE ST FRANCIS DE SALES

GADEK, FRANK J; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), LEHIGH VALLEY NETWORK (J03021[illegible])*; 14 MONTHS $6,800

GADEK, FRANK J; *PRISE (J0[illegible]0215 001)*; $6,800

CARNEGIE-MELLON UNIVERSITY

NEWELL, ALLEN; *COMPUTER - ASSISTED INSTRUCTION PROJECT (C709000)*; 2 MONTHS $5,500

CEDAR CREST COLLEGE

COZZOLINO, GERARD E; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), LEHIGH VALLEY NETWORK (J030216)*; 14 MONTHS $4,400

COZZOLINO, GERARD E; *PRISE (J030216 001)*; $4,400

ELIZABETHTOWN COLLEGE

KEEFER, JAMES L; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), CENTRAL REGION NETWORK (J030202)*; 25 MONTHS $6,500

KEEFER, JAMES L; *PRISE (J030202 001)*; $6,500

GANNON COLLEGE

PALMER, JAMES E; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), WESTERN REGION NETWORK (J030209)*; 24 MONTHS $10,700

PALMER, JAMES E; *PRISE (J030209 001)*; $10,700

INTERUNIVERSITY COMMUNICATIONS COUNCIL

ANASTASIO, ERNEST J; *INVESTIGATION OF FACTORS THAT INHIBIT THE WIDESPREAD USE OF COMPUTERS IN THE INSTRUCTIONAL PROCESS (J027427 001)*; 12 MONTHS $12,400

KING0S COLLEGE

DECESARIS, ANGELO; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), CENTRAL REGION NETWORK (J030203)*; 25 MONTHS $10,500

DECESARIS, ANGELO; *PRISE (J030203 001)*; $10,500

LAFAYETTE COLLEGE

SCHWAR, JAMES; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), LEHIGH VALLEY NETWORK (J030217)*; 14 MONTHS $6,600

SCHWAR, JAMES; *PRISE (J030217 001)*; $6,600

LEHIGH UNIVERSITY

WALKER, JOHN E; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), LEHIGH VALLEY NETWORK (J030214)*; 14 MONTHS $30,700

WALKER, JOHN E; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), LEHIGH VALLEY NETWORK (J030214 001)*; $41,100

LOCK HAVEN STATE COLLEGE

BILLHARTZ, M H; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), CENTRAL REGION NETWORK (J030204)*; 25 MONTHS $10,000

BILLHARTZ, M H; *PRISE (J030204 001)*; $10,000

MANSFIELD STATE COLLEGE

WANICH, WILLIAM P; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), CENTRAL REGION NETWORK (J030205)*; 25 MONTHS $8,600

WANICH, WILLIAM P; *PRISE (J030205 001)*; $8,600

MERCYHURST COLLEGE

BALDWIN, JOHN R; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), WESTERN REGION NETWORK (J030210)*; 24 MONTHS $11,600

BALDWIN, JOHN R; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), WESTERN REGION NETWORK (J030210 001)*; $11,600

MORAVIAN COLLEGE

BADER, MORRIS; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), LEHIGH VALLEY NETWORK (J030218)*; 14 MONTHS $12,200

BADER, MORRIS; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), WESTERN REGION NETWORK (J030218 001)*; $12,200

MUHLENBERG COLLEGE

LOY, WALTER; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), LEHIGH VALLEY NETWORK (J030219)*; 14 MONTHS $9,700

LOY, WALTER; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), LEGIGH VALLEY NETWORK (J030219 001)*; $9,700

PENNSYLVANIA STATE UNIVERSITY

LAIRD, DONALD T, AND BERNITT, DANIEL L; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), CENTRAL REGION NETWORK (J030201)*; 25 MONTHS $32,200

LAIRD, DONALD T, AND BERNITT, DANIEL L; *PRISE (J030201 001)*; $32,200

SLIPPERY ROCK STATE COLLEGE

CAMPAIGNE, HOWARD; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), WESTERN REGION NETWORK (J030212)*; 24 MONTHS $8,900

CAMPAIGNE, HOWARD; *PRISE (J030212 001)*; $8,900

UNIVERSITY OF PITTSBURGH

GLASER, ROBERT; *PROJECT FOR COMPUTER FEASIBILITY AND REQUIREMENTS FOR INDIVIDUALIZATION IN THE ELEMENTARY SCHOOL (J000540 X03)*; 6 MONTHS $35,100

GLASER, ROBERT, AND COOLEY, WILLIAM W; *COMPUTER FEASIBILITY AND REQUIREMENTS FOR INDIVIDUALIZATION IN THE ELEMENTARY SCHOOL-PROJECT CONTINUATION (J000540 X04)*; 12 MONTHS $250,000

DWYER, THOMAS A; *AN EXPERIMENT IN THE REGIONAL USE OF COMPUTERS BY SECONDARY SCHOOL SYSTEMS--PHASE II (J001077 001)*; 12 MONTHS $173,400

ELLIS, R G; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), WESTERN REGION NETWORK (J030208)*; 24 MONTHS $36,900

ELLIS, R G; *PRISE (J030208 001)*; $37,200

DWYER, THOMAS; *A CASE STUDY IN THE PORTABILITY OF INSTRUCTIONAL COURSEWARE AT THE SECONDARY SCHOOL LEVEL (J033221)*; 6 MONTHS $60,500

UNIVERSITY OF SCRANTON

CASEY, PAUL J S J; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), CENTRAL REGION NETWORK (J030206)*; 25 MONTHS $4,300

CASEY, PAUL J S J; *PRISE (J030206 001)*; $4,300

VILLA MARIA COLLEGE

PETERSON, G M; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), WESTERN REGION NETWORK (J030211)*; 24 MONTHS $9,600

PETERSON, G M; *PRISE (J030211 001)*; $9,600

WESTMINSTER COLLEGE

HENDRY, RICHARD A; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), WESTERN REGION NETWORK (J030213)*; 24 MONTHS $9,800

PEEK, JAMES M; *PRISE (J030213 001)*; $9,800

WILKES COLLEGE

WILLIAMS, DAVID; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), LEHIGH VALLEY NETWORK (J030200)*; 14 MONTHS $10,600

WILLIAMS, DAVID; *PRISE (J030200 001)*; $10,600

WILLIAMSPORT AREA COMMUNITY COLLEGE

BOYERS, RALPH L; *PENNSYLVANIA'S REGIONAL INSTRUCTIONAL SYSTEM FOR EDUCATION (PRISE), CENTRAL REGION NETWORK (J030207)*; 25 MONTHS $8,700

BOYERS, RALPH L; *PRISE (J030207 001)*; $8,700

TEXAS

UNIV OF TEXAS AT AUSTIN

JUDD, WILSON A, O'NEIL, HAROLD, AND SIMMONS, ROBERT F; *EMPIRICAL AND THEORETICAL FOUNDATIONS OF INSTRUCTIONAL DESIGN FOR COMPTER-BASED INSTRUCTIONAL SYSTEMS, A PROGRAM OF RESEARCH AND DEVELOPMENT (J000509 X03)*; 12 MONTHS $159,835

BROWNE, JAMES C; *AN EXPERIMENT IN THE TRANSPORTABILITY OF COMPUTER-BASED CURRICULUM MATERIALS (J031753)*; 12 MONTHS $68,400

VIRGINIA

HOLLINS COLLEGE

HEGE, E KEITH; *EXPERIMENT IN UTILIZING MINI-COMPUTER FACILITIES FOR INSTRUCTIONAL PURPOSES (J001122 001)*; 12 MONTHS $1,800

HUMAN RESOURCES RESEARCH ORGANIZATION

SEIDEL, ROBERT J; *RESEARCH ON INSTRUCTIONAL DECISION MODELS (J000774 001)*; 12 MONTHS $179;100

SEIDEL, ROBERT J; *STRATEGIES FOR DEVELOPING COMPUTER-BASED CURRICULAR MATERIALS (J031153)*; 22 MONTHS $172,400

MITRE CORPORATION-MITRE CORPORATION

STETTEN, KENNETH J; *DEMONSTRATION AND EVALUATION OF THE TICCIT CAI SYSTEM (C72[illegible]000)*; 54 MONTHS $1,000,000

STETTEN, KENNETH J; *TOWARD A MARKET-ORIENTED COMPUTER BASED LEARNING SYSTEM (J028078 001)*; 6 MONTHS $474,800

STETTEN, KENNETH J; *MEASURING THE SOCIAL IMPACT OF INTERACTIVE TELEVISION (J032785)*; 9 MONTHS $299,500

SPECIALIZED RESEARCH FACILITIES AND EQUIPMENT SUPPORT

SPECIALIZED BMS RSCH. FACILITIES AND EQUIP.

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

SINSHEIMER, ROBERT L; *PURCHASE OF SPECIALIZED EQUIPMENT FOR BIOLOGICAL RESEARCH* (*B032281*); 12 MONTHS $59,600

HOOD, LEROY E; *EQUIPMENT FOR INVESTIGATING THE GENETIC CONTROL OF ANTIBODY DIVERSITY* (*B032294*); 12 MONTHS $47,200

DICKERSON, RICHARD E, AND STROUD, ROBERT M; *SPECIAL EQUIPMENT FOR LARGE-PROTEIN X-RAY STRUCTURE ANALYSIS* (*B034881*); 12 MONTHS $225,000

STANFORD UNIVERSITY

BERG, PAUL; *PURCHASE OF A HIGH RESOLUTION ELECTRON MICROSCOPE* (*B034162**); 12 MONTHS $70,000

UNIVERSITY OF CALIFORNIA, SAN FRANCISCO

MORALES, MANUEL F; *PURCHASE OF A LABORATORY COMPUTER SYSTEM* (*B032295*); 12 MONTHS $15,600

COLORADO

UNIVERSITY OF COLORADO

ALBERSHEIM, PETER, AND ALBERT, HARRISON; *DESIGN OF EQUIPMENT FOR DATA ACQUISITION AND ANALYSIS SYSTEM FOR HIGH RESOLUTION GAS CHROMATOGRAPHY* (*B032293*); 12 MONTHS $9,400

CONNECTICUT

YALE UNIVERSITY

KONIGSBERG, WILLIAM H, RICHARDS, FRANK F, AND SIBLEY, CHARLES G; *EQUIPMENT FOR STUDIES OF PROTEIN STRUCTURE* (*B032348*); 12 MONTHS $44,600

ILLINOIS

FIELD MUSEUM OF NATURAL HISTORY

SOLEM, G ALAN; *PURCHASE OF A SCANNING ELECTRON MICROSCOPE* (*B034521**); 24 MONTHS $65,500

NORTHWESTERN UNIVERSITY

DALLOS, PETER; *SPECIAL PURPOSE DIGITAL COMPUTER* (*B026531*); 12 MONTHS $36,100

UNIVERSITY OF CHICAGO

HEINRIKSON, ROBERT L, LAW, JOHN H, AND STEINER, DONALD F; *EQUIPMENT FOR A PROTEIN SEQUENCING CENTER* (*B032344*); 12 MONTHS $40,000

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

HIRS, CHRISTOPHE H W; *SCANNING ELECTRON MICROSCOPE FACILITY* (*B032413**); 12 MONTHS $30,000

KANSAS

KANSAS STATE UNIVERSITY

PITTS, CHARLES W, AND ROTH, L EVANS; *PURCHASE OF A SCANNING ELECTRON MICROSCOPE* (*B032296*); 12 MONTHS $40,000

MARYLAND

JOHNS HOPKINS UNIVERSITY

ROSEMAN, SAUL; *EQUIPMENT FOR RESEARCH IN MOLECULAR BIOLOGY* (*B032350*); 12 MONTHS $70,000

BEER, MICHAEL; *PURCHASE OF BIOLOGICAL RESEARCH EQUIPMENT* (*B033988*); 12 MONTHS $50,000

MASSACHUSETTS

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

KING, JONATHAN A; *PURCHASE OF AN ELECTRON MICROSCOPE FOR MACROMOLECULAR RECOGNITION AND ASSEMBLY* (*B032349*); 12 MONTHS $50,000

MISSISSIPPI

MISSISSIPPI STATE UNIVERSITY

GLICK, BRUCE, AND YARBROUGH, JAMES D; *ESTABLISHMENT OF AN ELECTRON MICROSCOPE FACILITY AT MISSISSIPPI STATE UNIVERSITY* (*B034210*); 12 MONTHS $30,000

NEW YORK

AMERICAN MUSEUM OF NATURAL HISTORY

ROZEN, JEROME G JR; *PURCHASE OF A SCANNING ELECTRON MICROSCOPE* (*B032508*); 24 MONTHS $61,800

BROOKHAVEN LABORATORY

SHAW, ELLIOTT N, AND LEDBETTER, MYRON C; *ELECTRON MICROSCOPY FACILITY* (*AG00345*); 12 MONTHS $148,000

HUNTER COLLEGE

MAWE, RICHARD C; *EQUIPMENT FOR THE GROWTH AND HARVESTING OF MICROORGANISMS* (*B033926*); 12 MONTHS $27,600

ROCKEFELLER UNIVERSITY

SIEKEVITZ, PHILIP; *PARTIAL SUPPORT FOR SPECIALIZED RESEARCH EQUIPMENT* (*B032347*); 12 MONTHS $15,100

SYRACUSE UNIVERSITY

BALBINDER, ELIAS; *PURCHASE OF A LIQUID SCINTILLATION COUNTER* (*B033808*); 12 MONTHS $18,900

NORTH CAROLINA

DUKE UNIVERSITY

BOYNTON, JOHN E, AND GILLHAM, NICHOLAS W; *EQUIPMENT FOR THE STUDY OF HEREDITARY CONTROL OF ORGANELLE STRUCTURE AND FUNCTION* (*B032286*); 12 MONTHS $17,500

TENNESSEE

GEORGE PEABODY COLLEGE FOR TEACHERS

HOGGE, JAMES H; *EQUIPMENT FOR REAL-TIME ANALYSIS OF BIOELECTRIC SIGNALS* (*B032346*); 12 MONTHS $32,700

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

ADAMS, MICHAEL H, AND BECKER, WAYNE; *PURCHASE OF A LIQUID SCINTILLATION SYSTEM* (*B032431*); 12 MONTHS $10,000

UNIVERSITY ATMOSPHERIC RESEARCH FACILITIES

ALASKA

UNIVERSITY OF ALASKA-GEOPHYSICAL INSTITUTE

SWIFT, DANIEL W; *DEVELOPMENT OF GEOPHYSICAL INSTITUTE DATA PROCESSING SYSTEM* (*A032999*); 18 MONTHS $33,300

CALIFORNIA

UNIVERSITY OF CALIFORNIA, BERKELEY

ANDERSON, KINSEY A; *EQUIPMENT ITEMS WHICH WILL AID THE REDUCTION AND ANALYSIS OF SCIENTIFIC DATA* (*A032980*); 12 MONTHS $49,000

MARYLAND

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION-NATIONAL ENVIRONMENTAL SATELLITE SERVICE

JOHNSON, DAVID S; *PROCUREMENT OF SMS DATA UTILIZATION STATION (DUS)* (AG00380); 18 MONTHS $115,000

NEW HAMPSHIRE

DARTMOUTH COLLEGE-THAYER SCHOOL OF ENGINEERING

MORGAN, MILLETT G; *TO PURCHASE A DIGITAL SPECTRUM-ANALYZER* (A032981); 12 MONTHS $28,300

NEW YORK

STATE UNIVERSITY AT ALBANY

SCHAEFER, VINCENT J, AND HOGAN, AUSTIN W; *AEROSOL CONCENTRATIONS ON A GLOBAL SCALE* (A032502*); 12 MONTHS $25,000

COLUMBIA UNIVERSITY-LAMONT-DOHERTY GEOLOGICAL OBSERVATORY

DONN, WILLIAM L; *ELECTRONIC FACILITIES FOR INFRASOUND PROGRAM* (A032856); 12 MONTHS $29,400

UTAH

UTAH STATE UNIVERSITY

CLARK, CLAYTON; *ATMOSPHERIC MODELING FACILITY* (A032857); 12 MONTHS $14,000

SPECIALIZED SOCIAL SCIENCE RESEARCH FACILITIES

CALIFORNIA

UNIVERSITY OF CALIFORNIA, BERKELEY

BALDERSTON, F E, *OPERATION OF A MANAGEMENT SCIENCE RESEARCH FACILITY* (S032138*); 12 MONTHS $172,900

UNIVERSITY OF CALIFORNIA, SAN DIEGO

SMITH, TIMOTHY S; *EQUIPMENT FOR RESEARCH IN EXPERIMENTAL LINGUISTICS* (S031912); 12 MONTHS $57,200

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

PREMACK, DAVID; *FACILITY FOR RESEARCH ON LANGUAGE BEHAVIOR IN THE CHIMPANZEE* (S032984); 12 MONTHS $60,000

CONNECTICUT

HASKINS LABORATORIES INC

COOPER, FRANKLIN S, AND LIEBERMAN, ALVIN M; *A DIGITAL PLAYBACK FOR RESEARCH ON NATURAL SPEECH* (S028354 001); $53,500

SOUTH CAROLINA

UNIVERSITY OF SOUTH CAROLINA

STEPHENSON, ROBERT L; *EQUIPMENT FOR SPECIALIZED ARCHEOLOGICAL AND ANTHROPOLOGICAL RESEARCH FACILITY* (S031915); 12 MONTHS $32,200

WASHINGTON

WASHINGTON STATE UNIVERSITY

IRWIN, HENRY T J; *EQUIPMENT FOR SEMI-AUTOMATED COLLECTION OF ARCHAEOLOGICAL DATA* (S032174); 12 MONTHS $10,000

EARTH SCIENCES RSCH. FACILITIES AND EQUIP.

ILLINOIS

UNIVERSITY OF CHICAGO

CLAYTON, ROBERT N, AND SMITH, JOSEPH V; *CHEMICAL AND ISOTOPE ANALYSIS WITH AN ION MICROPROBE* (A034131*); 12 MONTHS $65,600

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

HIRS, CHRISTOPHE H W; *SCANNING ELECTRON MICROSCOPE FACILITY* (B032413*); 12 MONTHS $10,000

PENNSYLVANIA

FRANKLIN AND MARSHALL COLLEGE

MORSE, STEARNS A; *FACILITY FOR CRUSTAL STUDIES IN COASTAL LABRADOR* (A027134 001); $4,100

PENNSYLVANIA STATE UNIVERSITY

BURNHAM, C WAYNE; *SPECIALIZED RESEARCH EQUIPMENT* (A033125); 12 MONTHS $20,300

OCEANOGRAPHIC RESEARCH VESSELS AND FACILITIES

UNIVERSITY OCEANOGRAPHIC EQUIPMENT

ALASKA

UNIVERSITY OF ALASKA-INSTITUTE OF MARINE SCIENCE

GOERING, JOHN J, AND MCROY, C PETER; *ANALYSES TO STUDY A PACKARD 15N ANALYZER TO STUDY THE BIOLOGICAL CYCLING OF NITROGEN IN THE SEA* (A034007); 12 MONTHS $10,600

NEW YORK

COLUMBIA UNIVERSITY-LAMONT-DOHERTY GEOLOGICAL OBSERVATORY

HAYS, JAMES D, AND KING, KENNETH JR; *SPECIALIZED RESEARCH EQUIPMENT- AUTOMATIC AMINO ACID ANALYZER* (A034139); 12 MONTHS $46,200

OREGON

OREGON STATE UNIVERSITY

CUTSHALL, NORMAN; *ATOMIC ABSORPTION SPECTROPHOTOMETER* (A034103); 12 MONTHS $16,500

RHODE ISLAND

UNIVERSITY OF RHODE ISLAND

KENNETT, JAMES P, AND WATKINS, NORMAN D; *THE ESTABLISHMENT OF A DEEP-SEA PISTON CORING FACILITY* (A031775); 12 MONTHS $9,800

WASHINGTON

UNIVERSITY OF WASHINGTON

RICHARDS, FRANCIS A; *EQUIPMENT FOR COMPUTING AND SALINITY-TEMPERATURE-DEPTH SYSTEMS* (A034102); 12 MONTHS $16,900

UNIVERSITY PHYSICS RESEARCH FACILITIES

HIGH ENERGY FACILITIES

CALIFORNIA

STANFORD UNIVERSITY

FAIRBANK, W M, HOFSTADTER, ROBERT, SCHWARTZ, MELVIN, SCHWETTMAN, H A, AND WOJCICKI, STANLEY; *HIGH ENERGY PHYSICS, CRYOGENIC RESEARCH, AND GRAVITATIONAL RADIATION* (P028299 001*); 12 MONTHS $340,000

NEW YORK

CORNELL UNIVERSITY

MCDANIEL, B D; *OPERATIONAL SUPPORT OF THE 10 GEV ELECTRON SYNCHROTRON FACILITY* (C537000 012*); 12 MONTHS $330,000

MCDANIEL, B D; *OPERATIONAL SUPPORT OF THE 10 GEV ELECTRON SYNCHROTRON FACILITY* (C537000 013*); $180,000

LOW ENERGY FACILITIES

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

RICKEY, MARTIN E, AND MILLER, DANIEL W; *EXPERIMENTAL FACILITIES FOR THE INDIANA CYCLOTRON* (P024846 002); 15 MONTHS $100,000

CHEMISTRY RESEARCH INSTRUMENTS

ARIZONA

UNIVERSITY OF ARIZONA

HALL, H K JR; *PURCHASE OF A DIGITAL DATA ACQUISITION SYSTEM* (P032909); 12 MONTHS $14,000

CALIFORNIA

CALIFORNIA STATE UNIVERSITY, LOS ANGELES

GOLDWHITE, HAROLD; *PURCHASE OF A MASS SPECTROMETER* (P032794); 12 MONTHS $50,000

CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO

BERTIN, HENRY J; *PURCHASE OF AN ELECTRON SPIN RESONANCE SPECTROMETER* (P032803); 12 MONTHS $30,000

UNIVERSITY OF CALIFORNIA, BERKELEY

SHIRLEY, DAVID A; *PURCHASE OF A NUCLEAR MAGNETIC RESONANCE SPECTROMETER* (*P032796*); 12 MONTHS $25,000

UNIVERSITY OF CALIFORNIA, LOS ANGELES

SCOTT, ROBERT L; *PURCHASE OF A DATA ACQUISITION SYSTEM* (*P032304*); 12 MONTHS $60,000

UNIVERSITY OF CALIFORNIA, RIVERSIDE

HELMKAMP, GEORGE K; *PURCHASE OF A DATA ACQUISITION AND CONTROL SYSTEM* (*P032827*); 12 MONTHS $55,000

UNIVERSITY OF CALIFORNIA, SAN DIEGO

KAMEN, MARTIN D; *PURCHASE OF A NUCLEAR MAGNETIC RESONANCE SPECTROMETER* (*P032829*); 12 MONTHS $130,000

COLORADO

COLORADO STATE UNIVERSITY

OSTERYOUNG, ROBERT A; *PURCHASE OF AN ION CYCLOTRON RESONANCE SPECTROMETER* (*P032224*); 12 MONTHS $43,000

CONNECTICUT

YALE UNIVERSITY

BERSON, JEROME A; *PURCHASE OF AN ELECTRON SPECTROMETER* (*P027996 001*); 8 MONTHS $38,000

DELAWARE

UNIVERSITY OF DELAWARE

VENANZI, LUIGI M; *PURCHASE OF A DIGITAL DATA SYSTEM* (*P033106*); 12 MONTHS $15,000

GEORGIA

GEORGIA INSTITUTE OF TECHNOLOGY

SPICER, WILLIAM M; *PURCHASE OF A MASS SPECTROMETER* (*P032793*); 12 MONTHS $38,000

ILLINOIS

NORTHWESTERN UNIVERSITY

BASOLO, FRED; *PURCHASE OF A NUCLEAR MAGNETIC RESONANCE SPECTROMETER* (*P032832*); 12 MONTHS $37,000

UNIVERSITY OF CHICAGO

RICE, STUART A; *PURCHASE OF A NUCLEAR MAGNETIC RESONANCE SPECTROMETER* (*P033116*); 12 MONTHS $100,000

UNIVERSITY OF ILLINOIS AT URBANA

GUTOWSKY, H S; *PURCHASE OF MAGNETIC RESONANCE INSTRUMENTATION* (*P033523*); 12 MONTHS $70,000

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

SCHAEFFER, R O; *PURCHASE OF DATA ACQUISITION SYSTEM FOR MASS SPECTROMETER* (*P032225*); 12 MONTHS $36,000

KANSAS

KANSAS STATE UNIVERSITY

DAANE, A H; *PURCHASE OF A DIGITAL DATA SYSTEM* (*P033105*); 12 MONTHS $18,000

UNIVERSITY OF KANSAS

LANDGREBE, JOHN A; *PURCHASE OF STOPPED-FLOW KINETIC APPARATUS* (*P032305*); 12 MONTHS $12,000

MASSACHUSETTS

HARVARD UNIVERSITY

VANELLI, RONALD E; *PURCHASE OF A NUCLEAR MAGNETIC RESONANCE SPECTROMETER* (*P032317*); 12 MONTHS $140,000

MOUNT HOLYOKE COLLEGE

HALL, GEORGE E; *PURCHASE OF A SPECTROPHOTOMETER* (*P033425*); 12 MONTHS $15,000

MICHIGAN

MICHIGAN STATE UNIVERSITY

KINSINGER, J B; *PURCHASE OF A LASER RAMAN SPECTROMETER* (*P032286*); 12 MONTHS $28,500

MINNESOTA

UNIVERSITY OF MINNESOTA

HEXTER, R M; *PURCHASE OF A MASS SPECTROMETER* (*P032797*); 12 MONTHS $60,000

MISSISSIPPI

UNIVERSITY OF MISSISSIPPI

SCOTT, ROBERT B JR; *PURCHASE OF AN ULTRAVIOLET-VISIBLE SPECTROPHOTOMETER* (*P032855*); 12 MONTHS $22,900

MISSOURI

UNIVERSITY OF MISSOURI, COLUMBIA

TROUTNER, DAVID E; *PURCHASE OF AN ATOMIC ABSORPTION SPECTROPHOTOMETER* (*P032831*); 12 MONTHS $10,000

NEBRASKA

UNIVERSITY OF NEBRASKA AT LINCOLN

BAUMGARTEN, HENRY E; *PURCHASE OF AN X-RAY DIFFRACTOMETER* (*P033452*); 12 MONTHS $13,700

NEW JERSEY

PRINCETON UNIVERSITY

MISLOW, KURT; *PURCHASE OF A MASS SPECTROMETER SYSTEM* (*P032826*); 12 MONTHS $65,000

RUTGERS UNIVERSITY

BIRD, GEORGE R; *PURCHASE OF A FAR INFRARED SPECTROMETER* (*P032800*); 12 MONTHS $30,000

NEW YORK

COLUMBIA UNIVERSITY

MILLER, J MALCOLM; *PURCHASE OF ELECTRONIC INSTRUMENTATION FOR RESEARCH IN CHEMICAL PHYSICS* (*P032992*); 12 MONTHS $20,000

CORNELL UNIVERSITY

HAMMES, GORDON G; *PURCHASE OF A RAMAN SPECTROMETER* (*P032303*); 12 MONTHS $30,000

SYRACUSE UNIVERSITY

VINCOW, GERSHON; *PURCHASE OF AN ELECTRON SPIN RESONANCE SPECTROMETER* (*P032828*); 12 MONTHS $25,000

NORTH CAROLINA

DUKE UNIVERSITY

QUIN, LOUIS D; *PURCHASE OF COMPONENTS FOR AN ELECTRON SPIN RESONANCE SPECTROMETER* (*P032292*); 12 MONTHS $25,000

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

HISKEY, R G; *PURCHASE OF A FOURIER TRANSFORM INFRARED SPECTROPHOTOMETER* (*P032825*); 12 MONTHS $39,000

OHIO

UNIVERSITY OF CINCINNATI

JAFFE, HANS H, AND DAHLGREN, C; *PURCHASE OF AN X-RAY FLUORESCENCE SPECTROMETER* (*P033534*); 12 MONTHS $18,000

PENNSYLVANIA

CARNEGIE-MELLON UNIVERSITY

CARETTO, ALBERT A JR; *PURCHASE OF A GAMMA SPECTROMETER SYSTEM* (*P032853*); 12 MONTHS $10,000

PENNSYLVANIA STATE UNIVERSITY

DIXON, JOSEPH A; *PURCHASE OF A NUCLEAR MAGNETIC RESONANCE SPECTROMETER* (*P032823*); 12 MONTHS $120,000

SOUTH CAROLINA

FURMAN UNIVERSITY

KUBLER, DONALD G; *PURCHASE OF A RAMAN SPECTROMETER* (*P032802*); 12 MONTHS $17,000

TEXAS

RICE UNIVERSITY

MARGRAVE, JOHN L; *PURCHASE OF AN ELECTRON SPIN RESONANCE SPECTROMETER* (*P032824*); 12 MONTHS $30,000

TEXAS A & M UNIVERSITY

MARTELL, ARTHUR E; *PURCHASE OF A NUCLEAR MAGNETIC RESONANCE SPECTROMETER* (*P032912*); 12 MONTHS $57,300

UTAH

UNIVERSITY OF UTAH

GRANT, DAVID M; *PURCHASE OF A DIGITAL DATA SYSTEM* (*P033363*); 12 MONTHS $40,600

VIRGINIA

UNIVERSITY OF VIRGINIA

SC[illegible]ATZ, PAUL N; *PURCHASE OF COMPONENTS FOR AN EMISSION SPECTROMETER* (*P032799*); 12 MONTHS $17,000

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

WILLARD, JOHN E; *PURCHASE OF AN INFRARED-RAMAN SPECTROMETER SYSTEM* (*P032227*); 12 MONTHS $70,000

SPECIALIZED ENGINEERING AND MATERIALS RESEARCH FACILITIES

ENGINEERING RESEARCH FACILITIES AND EQUIPMENT

CALIFORNIA

STANFORD UNIVERSITY

HSU, E Y; *PURCHASE OF A DATA ACQUISITION REDUCTION SYSTEM FOR THE STANFORD WIND, WATER-WAVE RESEARCH FACILITY* (*K033992*); 12 MONTHS $30,500

UNIVERSITY OF CALIFORNIA, BERKELEY

HODGES, D A; *SPECIALIZED RESEARCH EQUIPMENT - EPITAXIAL REACTOR AND SPUTTER ETCH SYSTEMS* (*K033936*); 12 MONTHS $38,000

SAKRISON, D J; *SPECIALIZED RESEARCH EQUIPMENT - CORE MEMORY FOR COMPUTER PROCESSOR-CONTROLLER* (*K033937*); 12 MONTHS $17,200

COLORADO

UNIVERSITY OF COLORADO

RAMIREZ, W FRED; *SPECIALIZED RESEARCH EQUIPMENT- MINICOMPUTER FOR STUDIES IN CHEMICAL PROCESS DYNAMICS* (*K034234*); 12 MONTHS $10,900

CONNECTICUT

UNIVERSITY OF CONNECTICUT

BENNETT, C O; *AN INFRARED SPECTROMETER FOR THE STUDY OF ADSORBED SPECIES DURING CATALYSIS* (*K034235*); 12 MONTHS $15,000

DISTRICT OF COLUMBIA

GEORGETOWN UNIVERSITY

TORIDIS, THEODORE G; *PURCHASE OF EQUIPMENT FOR PROJECT MANAGEMENT AND COMPUTER-AIDED DESIGN RESEARCH* (*K033977*); 12 MONTHS $29,900

ILLINOIS

ILLINOIS INSTITUTE OF TECHNOLOGY

VEY, EBEN; *PURCHASE OF MAGNETIC TAPE DATA ACQUISITION SYSTEM* (*K033971*); 12 MONTHS $23,100

UNIVERSITY OF ILLINOIS AT URBANA

WESTWATER, JAMES W; *SPECIALIZED RESEARCH EQUIPMENT FOR COMPUTERIZATION* (*K034229*); 12 MONTHS $8,300

WESTWATER, JAMES W; *SPECIALIZED RESEARCH EQUIPMENT- ULTRAVIOLET SPECTROPHOTOMETER FACILITY* (*K034553*); 12 MONTHS $6,700

INDIANA

PURDUE UNIVERSITY

HUNGERFORD, H E; *BASIC NEUTRON SPECTROSCOPY* (*K032455*); 12 MONTHS $11,000

COHEN, RAYMOND, AND CROCKER, MALCOLM J; *MACHINERY NOISE CONTROL* (*K033196*); 12 MONTHS $19,700

SCHIFF, ANSHEL J; *PURCHASE OF EQUIPMENT FOR MEASURING WIND LOADS ON STRUCTURES* (*K033972*); 12 MONTHS $19,700

UNIVERSITY OF NOTRE DAME

LLOYD, J R, AND NOVOTNY, J L; *PURCHASE OF DATA ACQUISITION EQUIPMENT* (*K034119*); 12 MONTHS $11,500

KENTUCKY

UNIVERSITY OF KENTUCKY

BIRKEBAK, RICHARD; *UPGRADING OF A DATA ACQUISITION SYSTEM* (*K033993*); 12 MONTHS $8,700

MASSACHUSETTS

WORCESTER POLYTECHNIC INSTITUTE

WEISS, ALVIN H; *SPECIALIZED RESEARCH EQUIPMENT- HIGH PRESSURE THERMO ANALYTICAL FACILITY* (*K034753*); 12 MONTHS $12,200

MICHIGAN

MICHIGAN STATE UNIVERSITY

WILKINSON, BRUCE W; *SPECIALIZED RESEARCH EQUIPMENT-FLUE GAS DESULFURIZATION BY CENTRIFUGATION* (*K034231*); 24 MONTHS $12,300

UNIVERSITY OF MICHIGAN

CLARK, JOHN A; *SPECIALIZED RESEARCH EQUIPMENT FOR MECHANICAL AND INDUSTRIAL ENGINEERING* (*K033969*); 12 MONTHS $9,700

MISSOURI

UNIVERSITY OF MISSOURI, COLUMBIA

DWYER, SAMUEL J III; *SPECIALIZED RESEARCH EQUIPMENT- AUTOMATED VISUAL SYSTEMS RESEARCH* (*K032789*); 12 MONTHS $79,100

NEW JERSEY

RUTGERS UNIVERSITY

PESKIN, RICHARD L; *LASER-DOPPLER ANEMOMETRY EQUIPMENT* (*K033932*); 12 MONTHS $20,000

NEW YORK

COLUMBIA UNIVERSITY

SHINOZUKA, MASANOBU; *PURCHASE OF RANDOM SIGNAL PROCESSING EQUIPMENT* (*K033968*); 12 MONTHS $31,100

RENSSELAER POLYTECHNIC INSTITUTE

ALTWICKER, ELMAR R; *SPECIALIZED RESEARCH EQUIPMENT-TRACE GAS ANALYZER* (*K032546*); 12 MONTHS $12,500

BIRNBOIM, MEYER H; *EQUIPMENT FOR THE STUDY OR BIOMECHANICS OF SYNOVIAL JOINTS* (*K033978*); 12 MONTHS $27,000

SYRACUSE UNIVERSITY

DOSANJH, DARSHAN S; *ENLARGEMENT OF AN ANECHOIC CHAMBER FOR NOISE RESEARCH* (*K032585*); 12 MONTHS $24,800

UNIVERSITY OF ROCHESTER

SALTSBURG, HOWARD, AND ANDERSON, J H JR; *SPECIALIZED RESEARCH EQUIPMENT- FUNDAMENTAL STUDIES IN CATALYSIS* (*K034236*); 12 MONTHS $20,000

NORTH CAROLINA

NORTH CAROLINA STATE UNIVERSITY AT RALEIGH

WALSH, WILLIAM K; *PURCHASE OF A 500 KV ELECTRON ACCELERATOR* (*K033390*); 12 MONTHS $44,000

OREGON

OREGON STATE UNIVERSITY

NATH, JOHN H; *PURCHASE OF EQUIPMENT FOR STUDIES OF WIND AND WAVE FORCES ON STRUCTURES* (*K033970*); 12 MONTHS $21,700

PENNSYLVANIA

CARNEGIE-MELLON UNIVERSITY

TUMA, DAVID T; *SPECIALIZED RESEARCH EQUIPMENT FOR ELECTRON ENERGY DISTRIBUTION AND EXCITATION IN GAS DISCHARGES* (*K033089*); 12 MONTHS $4,800

PENNSYLVANIA STATE UNIVERSITY

CONWAY, J C; *INTERFEROMETRIC AND HOLOGRAPHIC EQUIPMENT FOR SOLID MECHANICS RESEARCH* (*K033973*); 12 MONTHS $8,000

RHODE ISLAND

UNIVERSITY OF RHODE ISLAND

LEBLANC, LESTER R, AND MOFFETT, MARK B; *EQUIPMENT FOR RESEARCH IN NONLINEAR ACOUSTICS, MARINE DATA PROCESSING, AND SUBMARINE SOIL MECHANICS* (*K034755*); 12 MONTHS $20,800

TENNESSEE

MEMPHIS STATE UNIVERSITY

SMITH, JOHN W; *SPECIALIZED RESEARCH EQUIPMENT- ANALYTICAL CHROMATOGRAPHY* (*K034230*); 12 MONTHS $6,600

WASHINGTON

UNIVERSITY OF WASHINGTON

VLASES, GEORGE C; *SPECIALIZED EQUIPMENT FOR AN ELECTRON BEAM STABILIZED PULSED* CO_2 *LASER* (*K033195*); 12 MONTHS $20,000

MATERIALS RESEARCH FACILITIES AND EQUIPMENT

CALIFORNIA

UNIVERSITY OF CALIFORNIA, BERKELEY

EVERHART, T E; *ACQUISITION OF A LINE PRINTER AND INCREMENTAL PLOTTER FOR AN IBM 1800 COMPUTER SYSTEM* (*H032412*); 12 MONTHS $6,000

UNIVERSITY OF CALIFORNIA, SAN DIEGO

SCHULTZ, SHELDON; *ION MILLING MACHINE AND ASSOCIATED VACUUM SYSTEM* (*H034010*); 12 MONTHS $19,200

FLORIDA

UNIVERSITY OF MIAMI

ALEXANDRAKIS, GEORGE C; *MICROWAVE TRANSMISSION RESONANCE STUDIES IN TRANSITION METALS AND THEIR ALLOYS* (*H034645*); 12 MONTHS $5,600

MASSACHUSETTS

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LAX, BENJAMIN; *OPERATION OF A HIGH MAGNET FIELD RESEARCH AND DEVELOPMENT LABORATORY* (C670000 003*); $80,000

MISSOURI

ST LOUIS UNIVERSITY

LEE, SOOK; *VARIAN 12-INCH ELECTROMAGNET SYSTEM* (H034661); 12 MONTHS $10,000

NEW JERSEY

STEVENS INSTITUTE OF TECHNOLOGY

WEIL, ROLF; *PURCHASE OF AN ELECTRON MICROSCOPE* (K031[illegible]); 12 MONTHS $7,500

NEW YORK

RENSSELAER POLYTECHNIC INSTITUTE

TOMOZAWA, MINORU; *EQUIPMENT GRANT- LIGHT SCATTERING PHOTOMETER* (H033874); 12 MONTHS $15,900

OHIO

CASE WESTERN RESERVE UNIVERSITY

GEIL, P H; *PURCHASE OF MICRODENSITOMETER* (H034569); 12 MONTHS $21,800

UNIVERSITY OF CINCINNATI

BOERIO, F JAMES; *AN INFRARED SPECTROMETER FOR POLYMER CHARACTERIZATION* (H034570); 12 MONTHS $23,200

OKLAHOMA

OKLAHOMA STATE UNIVERSITY

SIBLEY, WILLIAM A; *ELECTRON/POSITIVE-ION ACCELERATOR FOR USE IN THE PHYSICS RESEARCH LABORATORY* (H033382); 12 MONTHS $31,500

PENNSYLVANIA

CARNEGIE-MELLON UNIVERSITY

SEKERKA, ROBERT F; *IMAGE ANALYZING COMPUTER* (H034595); 12 MONTHS $31,200

PENNSYLVANIA STATE UNIVERSITY

WHITE, E W; *EQUIPMENT GRANT FOR A SCANNING ELECTRON MICROSCOPE* (H033798); 12 MONTHS $37,500

UTAH

UNIVERSITY OF UTAH

SOSIN, ABRAHAM; *EQUIPMENT TO SUPPORT MEASUREMENTS OF THE MECHANICAL CHARACTERIZATION OF POLYMERS* (H033760); 12 MONTHS $29,000

WEST VIRGINIA

WEST VIRGINIA UNIVERSITY

PAVLOVIC, A S; *EXPANSION OF CRYSTAL GROWING FACILITIES IN THE PHYSICS DEPARTMENT* (H034666); 12 MONTHS $13,900

WISCONSIN

MARQUETTE UNIVERSITY

CARTZ, LOUIS; *EQUIPMENT GRANT FOR A 'HIGH INTENSITY X-RAY SOURCE'* (H033876); 12 MONTHS $22,900

UNIVERSITY OF WISCONSIN, MADISON

PRUETT, CHARLES H; *NEW VACUUM UV AND SOFT X-RAY BEAM LINES* (H032245); 12 MONTHS $62,300

WYOMING

UNIVERSITY OF WYOMING

GRANDY, WALTER T JR; *COMPLETE CRYOGENICS FACILITY* (H032492); 12 MONTHS $7,500

UNIVERSITY ASTRONOMY RESEARCH FACILITIES AND EQUIPMENT

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

COHEN, MARSHALL H, AND MOFFET, ALAN T; *RECEIVING EQUIPMENT FOR RADIO ASTRONOMY RESEARCH* (P034591); 24 MONTHS $93,000

UNIVERSITY OF CALIFORNIA, BERKELEY

WELCH, WILLIAM J; *DEVELOPMENT OF THE HAT CREEK CM/MM WAVELENGTH INTERFEROMETER* (P028945 001); 12 MONTH[illegible]97,600

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

WALKER, MERLE F; *ELECTRONOGRAPHY IN ASTRONOMICAL PHOTOMETRY AND SPECTROSCOPY* (P029683 001); $25,000

OHIO

OHIO STATE UNIVERSITY

SLETTEBAK, ARNE; *IMAGE TUBE INSTRUMENTATION* (P032859); 24 MONTHS $82,000

RESEARCH APPLIED TO NATIONAL NEEDS (RANN)

NON CLASSIFIED

CALIFORNIA

MASSELL, BENTON F; *OTHER PROGRAM AWARDS (04AWDS)*; 15 MONTHS $194,660

CONNECTICUT

LEHAN, EDWARD A; *OTHER PROGRAM AWARDS (01AWDS)*; 12 MONTHS $37,500

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS (06AWDS)*; $47,669

MARYLAND

NONE; *OTHER PROGRAM AWARDS (02AWDS)*; $800

MASSACHUSETTS

KELLY, EDWARD; *OTHER PROGRAM AWARDS (01AWDS)*; 12 MONTHS $26,800

MISSOURI

TUDOR, JAMES; *OTHER PROGRAM AWARDS (01AWDS)*; 12 MONTHS $49,000

NEW YORK

NONE; *OTHER PROGRAM AWARDS (02AWDS)*; $58,271

SOUTH CAROLINA

BUNGAY, HENRY R III; *OTHER PROGRAM AWARDS (01AWDS)*; 12 MONTHS $35,130

VIRGINIA

NONE; *OTHER PROGRAM AWARDS (03AWDS)*; $11,560

ADVANCED TECHNOLOGY APPLICATIONS

ALASKA

UNIVERSITY OF ALASKA

HICKEL, WALTER J; *GEOTHERMAL RESOURCES RESEARCH CONFERENCE (I034313)*; 8 MONTHS $49,000

UNIVERSITY OF ALASKA-GEOPHYSICAL INSTITUTE

PULPAN, HANS, AND BERG, EDUARD; *SEISMIC ENGINEERING STUDIES IN ALASKA (A034943*)*; 24 MONTHS $21,000

ARIZONA

UNIVERSITY OF ARIZONA

MEINEL, ADEN B; *STUDIES OF THERMAL CONVERSION OF SOLAR ENERGY FOR ELECTRICAL POWER PRODUCTION (I030022 001)*; 6 MONTHS $107,000

CALIFORNIA

AEROSPACE CORPORATION

GREENBERG, A B; *SYSTEM ANALYSIS OF PHOTOTHERMAL CONVERSION SYSTEMS (C716000)*; 6 MONTHS $125,000

CALIFORNIA INSTITUTE OF TECHNOLOGY

HUDSON, DONALD E; *NATIONAL INFORMATION SERVICE FOR EARTHQUAKE ENGINEERING (I028098 X01)*; 12 MONTHS $95,200

ZUKOSKI, EDWARD E; *CONVECTIVE FLOWS OF BUILDING FIRES (I031892 X00)*; 12 MONTHS $39,800

IWAN, WILFRED D; *THREE-YEAR OPERATION OF THE UNIVERSITIES COUNCIL FOR EARTHQUAKE ENGINEERING RESEARCH (I032568)*; 36 MONTHS $49,500

HUDSON, DONALD E; *STRONG-MOTION DATA ANALYSIS AND STRUCTURAL DYNAMICS INVESTIGATIONS OF THE SAN FERNANDO EARTHQUAKE OF FEBRUARY 9, 1971 (I032574)*; 6 MONTHS $27,400

HUDSON, DONALD E; *NATIONAL INFORMATION SERVICE FOR EARTHQUAKE ENGINEERING (I034816)*; 12 MONTHS $148,000

NEW EXTENSIONS FOR UTILIZING SCIENTISTS INC

REID, CONRAD H; *AN INFORMATION EXCHANGE IN ENZYME TECHNOLOGY (I033675)*; 24 MONTHS $25,600

RAND CORPORATION

MORRIS, DEANE N; *THE GROWING DEMAND FOR ENERGY (I000044 002)*; 12 MONTHS $524,000

STANFORD RESEARCH INSTITUTE

ANBAR, MICHAEL; *POLLUTION-FREE ELECTROCHEMICAL ENERGY GENERATION FROM FUEL (I034027)*; 15 MONTHS $99,200

STANFORD UNIVERSITY

EUSTIS, R H, *MHD PHENOMENA AT HIGH MAGNETIC FIELDS (I034980)*; 12 MONTHS $147,300

KRUGER, PAUL; *STIMULATION OF GEOTHERMAL AQUIFERS FOR CONTRIBUTING TO THE ENERGY REQUIREMENTS OF THE UNITED STATES (I034925)*; 12 MONTHS $141,500

SHAH, HARESH C; *MEASUREMENTS OF DYNAMIC CHARACTERISTICS OF MULTISTORY BUILDINGS SUBJECTED TO SAN FERNANDO EARTHQUAKE (I034967)*; 12 MONTHS $28,400

KAPLAN, HENRY S, AND SCHWETTMAN, H ALAN; *TO DEVELOP A PION FACILITY FOR CANCER THERAPY (I035007)*; 15 MONTHS $717,700

UNIVERSITY OF CALIFORNIA, BERKELEY

MACK, DICK A; *INSTRUMENTATION FOR ENVIRONMENTAL MONITORING (AG00271 001)*; 12 MONTHS $200,900

AVERY, ROBERT T, BREKKE, TOR L, KEEFE, DENIS, AND FINNIE, IAIN; *ROCK SHATTERING WITH ENERGETIC ELECTRONS (AG00393)*; 10 MONTHS $48,900

PENZIEN, JOSEPH; *NATIONAL INFORMATION CENTER FOR EARTHQUAKE ENGINEERING (I028349 X01)*; 12 MONTHS $138,300

BERTERO, VITELMO V; *INVESTIGATION OF THE BEHAVIOR OF THE OLIVE VIEW MEDICAL CENTER DURING THE FEBRUARY 9, 1971 SAN FERNANDO EARTHQUAKE (I029983 001)*; 12 MONTHS $111,000

SEED, H BOLTON; *INVESTIGATION OF GROUND MOTIONS AND SOIL STABILITY PROBLEMS IN THE SAN FERNANDO AREA DURING THE EARTHQUAKE OF FEBRUARY 9, 1971 (I029938 001)*; 12 MONTHS $97,900

PENZIEN, JOSEPH, AND CHOPRA, ANIL K; *ENERGY ABSORPTION CHARACTERISTICS OF STRUCTURAL SYSTEMS SUBJECTED TO EARTHQUAKE EXCITATION (I031883)*; 12 MONTHS $317,300

BOLT, BRUCE A; *STUDIES OF GROUND MOTIONS IN LOCAL EARTHQUAKES (I034507)*; 24 MONTHS $32,600

TREZEK, GEORGE J; *A COMPREHENSIVE RESEARCH PROGRAM ON MANAGEMENT OF HEAT REJECTED FROM LARGE POWER PLANTS (I034932)*; 12 MONTHS $145,500

PENZIEN, JOSEPH; *MONITORING EQUIPMENT FOR THE UNIVERSITY OF CALIFORNIA, BERKELEY, SHAKING TABLE (I034968)*; 12 MONTHS $38,600

PENZIEN, JOSEPH, *ENERGY ABSORPTION CHARACTERISTICS OF STRUCTURAL SYSTEMS SUBJECTED TO EARTHQUAKE EXCITATION (K014857 001)*; 1 MONTHS $80,000

UNIVERSITY OF CALIFORNIA, DAVIS

CAHILL, T A; *DEVELOPMENT OF X-RAY FLUORESCENCE ANALYSIS AND APPLICATION TO ATMOSPHERIC AEROSOLS (I032938)*; 12 MONTHS $121,250

UNIVERSITY OF CALIFORNIA, IRVINE

LENHOFF, HOWARD M; *DEVELOPMENT OF IMMOBILIZED COUPLED ENZYME SYSTEMS FOR REGENERATING ATP AND NADPH (I034921)*; 12 MONTHS $67,600

UNIVERSITY OF CALIFORNIA, LOS ANGELES

SELNA, LAURENCE G, AND BRESLER, B B; *COLLABORATIVE STRUC-*

TURAL ENGINEERING STUDIES OF THE FEBRUARY 9, 1971 SAN FERNANDO EARTHQUAKE (*I029931 001*); 12 MONTHS $78,000

DUKE, C MARTIN, AND MAL, AJIT; *EFFECTS OF SITE AND SOURCE ON GROUND MOTIONS IN THE SAN FERNANDO EARTHQUAKE* (*I029932 001*); 12 MONTHS $84,700

KNOPOFF, LEON; *STOCHASTIC SEISMOLOGY* (*I031457**); 24 MONTHS [illegible]

LEE, KENNETH L, AND DUKE, C MARTIN; *INSTRUMENTATION FOR SEISMIC EARTHPRESSURE MEASUREMENT* (*I034793*); 2 MONTHS $10,000

HART, GARY C; *CLUSTERED HIGH-RISE BUILDING RESPONSE DURING THE SAN FERNANDO EARTHQUAKE AND ONE OF ITS AFTERSHOCKS* (*I034961*); 12 MONTHS $29,600

UNIVERSITY OF CALIFORNIA, RIVERSIDE

DAVID, F N; *FOREST FIRE STATISTICAL PROBLEMS* (*I031891 X00*); 12 MONTHS $67,700

UNIVERSITY OF CALIFORNIA, SAN DIEGO

WILLIAMS, FORMAN A, AND LIBBY, PAUL A; *FIRE PROPAGATION ALONG SOLID SURFACES* (*I034775*); 18 MONTHS $63,300

STANFORD UNIVERSITY-SCHOOL OF MEDICINE

FAIRBANK, WILLIAM M, OPFER, JAMES E, AND HARRISON, DONALD C; *SUPERCONDUCTING MAGNETOMETRY FOR DETECTION OF HEART DISEASE* (*I034778*); 12 MONTHS $149,800

ATOMIC ENERGY COMMISSION-SAN FRANCISCO OPERATIONS OFFICE-AEC

HADEISHI, TETSUO; *ISOTOPE-SHIFT ZEEMAN ABSORPTION SPECTROMETER* (*AG00396*); 12 MONTHS $125,000

COLORADO

COLORADO SCHOOL OF MINES

KELLER, G V, AND GROSE L T; *HYDROTHERMAL SYSTEMS AT KILAUEA VOLCANO, HAWAII* (*I034993*); 12 MONTHS $462,500

UNIVERSITY OF DENVER

HEWITT, JACK G; *FACTORS AFFECTING FLY ASH RESISTIVITY AND VOLTAGE BREAKDOWN IN ELECTROSTATIC PRECIPITATORS* (*I032610 X00*); 12 MONTHS $45,400

BUREAU OF RECLAMATION-ENGINEERING AND RESEARCH CENTER-DENVER

ISRAELSEN, O ALLEN; *SUPPORT OF U. S. NATIONAL COMMITTEE ON TUNNELING TECHNOLOGY* (*AG00397*); 12 MONTHS $2,500

DELAWARE

UNIVERSITY OF DELAWARE

BOER, KARL W; *DIRECT SOLAR ENERGY CONVERSION FOR LARGE SCALE TERRESTRIAL USE* (*I034878*); 18 MONTHS $291,200

KWART, HAROLD; *UNDERTAKE INVESTIGATIONS OF PROCEDURES FOR DESULFURIZATION OF FOSSIL FUELS* (*I034964*); 18 MONTHS $49,700

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS* (*02AWDS*); $8,032

HITTMAN ASSOCIATES INC

HARVEY, DOUGLAS G; *STUDY OF MINIMIZATION OF ENERGY CONSUMPTION IN MULTI-FAMILY DWELLINGS* (*CA000[illegible] 001*); 18 MONTHS $57,800

NATIONAL ACADEMY OF ENGINEERING

LINDER, CLARENCE H; *POWER PLANT SITING FORUM* (*C310204 003*); 8 MONTHS $11,500

OFFICE OF SCIENCE & TECHNOLOGY

WEINHOLD, J FREDERICK; *COMPLETION OF O.S.T. ENERGY REFERENCE PROJECTIONS* (*CA00079*); 6 MONTHS $85,900

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

CLIFFE, ROBERT A; *COMMITTEE ON FIRE RESEARCH* (*C310086 010*); 12 MONTHS $19,900

BOVE, ALBERT N; *ADVISORY CONFERENCE ON EXCAVATION TECHNOLOGY* (*C310230*); 4 MONTHS $5,000

DILLON, ROBERT M; *FINAL STUDY PERIOD OF THE BRAB/NEW HAVEN ONSITE SOLID WASTE RESEARCH PROGRAM* (*C310240*); 12 MONTHS $146,100

GEORGIA

GEORGIA INSTITUTE OF TECHNOLOGY

WULFF, WOLFGANG, AND ZUBER, NOVAK; *FLAMMABLE FABRICS* (*I031382*); 12 MONTHS $79,000

HAWAII

UNIVERSITY OF HAWAII

YUEN, PAUL C, NAJITA, KAZUTOSHI, AND FURUMOTO, AUGUSTINE; *AN ENGINEERING FEASIBILITY STUDY OF AN IONOSPHERIC TECHNIQUE TO IMPROVE TSUNAMI WARNING SYSTEMS* (*I034973*); 24 MONTHS $115,500

ILLINOIS

ILLINOIS INSTITUTE OF TECHNOLOGY

THAU, STEPHEN A; *STUDIES OF STRESS WAVE SCATTERINGS BY STRUCTURAL ELEMENTS IN AN ELASTIC HALF-SPACE REPRESENTING SEISMIC WAVE-FOUNDATION INTERACTIONS* (*I034781*); 24 MONTHS $55,100

NORTHWESTERN UNIVERSITY

VAN NESS, JAMES E; *LARGE SCALE DYNAMIC SYSTEMS* (*K033890**); 24 MONTHS $40,000

UNIVERSITY OF ILLINOIS AT URBANA

SOZEN, METE, AND NEWMARK, N M; *THE EVALUATION OF STRUCTURAL DAMAGE CAUSED BY THE SAN FERNANDO EARTHQUAKE (1971) TOWARD THE DEVELOPMENT OF IMPROVED METHODS FOR EARTHQUAKE-RESISTANT DESIGN* (*I029934 001*); 12 MONTHS $122,300

SOZEN, METE A; *INVESTIGATION OF THE EFFECT OF EARTHQUAKE MOTIONS ON REINFORCED CONCRETE BUILDINGS* (*I030760 X00*); 12 MONTHS $79,900

ACKERMANN, WILLIAM C; *CONFERENCE ON WASTE HEAT TRANSFER FROM LARGER SOURCES* (*I030971*); 6 MONTHS $13,000

HENDRON, ALFRED J; *TUNNEL AND TUNNEL LINING BEHAVIOR* (*I033644 X00*); 12 MONTHS $89,500

ATOMIC ENERGY COMMISSION-CHICAGO OPERATIONS OFFICE-AEC

CAIRNS, ELTON J; *RESEARCH AND DEVELOPMENT ON LITHIUM/SULFUR SECONDARY BATTERIES* (*AG00349*); 12 MONTHS $500,000

INDIANA

PURDUE UNIVERSITY

KRAUSE, PAUL C; *ON-LINE TRANSIENT CONTROL OF POWER SYSTEMS* (*I032605 X00*); 12 MONTHS $238,100

JUDD, WILLIAM R, DEWITT, D P, AND WEST, T R; *PROPERTIES OF GEOLOGICAL SUBSTANCES* (*I034608 X00*); 12 MONTHS $112,800

EMERY, ALDEN H; *ENZYMATIC METHODS OF MAKING FRUCTOSE* (*I034819*); 12 MONTHS $111,100

WILLIAMS, THEODORE J; *SYSTEMS ENGINEERING OF COMPUTER CONTROL SYSTEMS FOR LARGE INDUSTRIAL COMPLEXES* (*I034965*); 12 MONTHS $30,000

PRITSKER, A ALAN B; *SELF-CONTAINED BUILDING CONCEPTS AND ANALYSIS* (*I034978*); 12 MONTHS $100,500

IOWA

IOWA STATE UNIVERSITY OF SCIENCE & TECHNOLOGY

TSAO, GEORGE T; *PRODUCTION OF SUGAR MIXTURES FROM STARCH WITH THREE NATIVE AND INSOLUBILIZED ENZYMES* (*I034933*); 12 MONTHS $65,500

LOUISIANA

LOUISIANA STATE UNIVERSITY, NEW ORLEANS

GUILBAULT, GEORGE G; *USE OF IMMOBILIZED ENZYME SYSTEMS IN ENVIRONMENTAL STUDIES* (*I032995*); 24 MONTHS $49,100

TULANE UNIVERSITY

CHAMBERS, ROBERT P, AND COHEN, WILLIAM; *ENZYME ENGINEERING- INSOLUBILIZED ENZYMES AND MULTIENZYME SYSTEMS* (*I034974*); 12 MONTHS $53,000

MARYLAND

ATOMIC ENERGY COMMISSION

HENDRIE, J M; *SUPERCONDUCTING ELECTRICAL POWER TRANSMISSION STUDIES* (*AG00251 001*); 2 MONTHS $20,000

FORSYTH, E B, AND HENDRIE, J M; *SUPERCONDUCTING ELECTRICAL POWER TRANSMISSION SYSTEM* (*AG00381*); 12 MONTHS $530,000

JOHNS HOPKINS UNIVERSITY

FRISTROM, ROBERT M; *FIRE PROBLEMS RESEARCH AND SYNTHESIS* (*I034288 X00*); 12 MONTHS $325,000

NATIONAL BUREAU OF STANDARDS

WRIGHT, RICHARD, AND KRAMER, SAMUEL; *BUILDING PRACTICES FOR DISASTER MITIGATION* (*CA76000*); 6 MONTHS $140,000

UNIVERSITY OF MARYLAND, COLLEGE PARK

MORSE, FREDERICK H; *SOLAR ENERGY PANEL* (*I032488*); 6 MONTHS $59,800

MARTIN COMPANY-RIAS DIVISION

WESTWOOD, A R C, AND OZOL, M A; *ENVIRONMENT-ENHANCED DISINTERGRATION OF HARD ROCKS* (*C745000*); 12 MONTHS $47,000

MASSACHUSETTS

BOSTON COLLEGE

MAKRIDES, A C, AND RUSSELL, IRVING J; *IMMOBILIZED ENZYMES*

ON ELECTRONICALLY CONDUCTING CARRIERS (I034224); 24 MONTHS $47,400

FANG, P H; *LOW-COST SILICON PHOTOVOLTAIC CELLS FOR LARGE SOLAR POWER SYSTEMS* (I034975); 12 MONTHS $52,200

HARVARD UNIVERSITY

EMMONS, HOWARD W; *COMBUSTION RESEARCH* (I030957); 24 MONTHS $151,200

PRESTON, WILLIAM M, WILSON, RICHARD, AND BJARNGARD, BENGT E; *APPLICATIONS OF PROTON RADIATION CANCER THERAPY* (I032991 X00); 12 MONTHS $85,800

EMMONS, HOWARD W, AND FRIEDMAN, RAYMOND; *THE HOME FIRE PROJECT* (I034734 X00); 12 MONTHS $296,800

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

MONTGOMERY, D BRUCE; *CONTROL OF HIGH VOLTAGE DISCHARGES IN VACUUM INSULATED CRYOCABLES* (C670001); 12 MONTHS $155,000

COHEN, DAVID; *MAGNETIC FIELDS PRODUCED BY STEADY CURRENTS IN HUMAN AND ANIMAL BODIES* (C670002); 36 MONTHS $106,000

KOLM, HENRY H, AND THORNTON, RICHARD D; *MAGNEPLANE* (C670003); 9 MONTHS $210,000

MONTGOMERY, D BRUCE; *A SUPERCONDUCTING MAGNET FOR INTRAVASCULAR NAVIGATION* (C670004); 12 MONTHS $92,800

KOLM, HENRY H, AND MAXWELL, EMANUEL; *MINERAL PROCESSING AND WATER TREATMENT* (C670005); 7 MONTHS $145,000

MILLER, CHARLES L; *URBAN GEOMETRICS - RAPID PROCESSING OF URBAN INFORMATION* (I025622 X01); 12 MONTHS $168,900

WHITMAN, ROBERT V, AND BIGGS, JOHN M; *OPTIMUM SEISMIC PROTECTION FOR NEW BUILDING CONSTRUCTION IN EASTERN METROPOLITAN AREAS* (I027955 X01); 12 MONTHS $138,200

WHITMAN, ROBERT V; *SYSTEMATIC DOCUMENTATION AND ANALYSIS OF DAMAGE TO HIGH RISE BUILDINGS DURING EARTHQUAKE OF 9 FEBRUARY 1971 IN LOS ANGELES* (I029936 001); 12 MONTHS $102,400

WILLIAMS, G C; *FLAMMABILITY AND BURN POTENTIAL OF FABRICS* (I031881); 12 MONTHS $56,800

KIRTLEY, JAMES L JR; *RESEARCH INITIATION - END TURN INSULATION FOR HIGH VOLTAGE AIR CORE ALTERNATORS* (I032783); 18 MONTHS $13,000

WHITE, DAVID C; *DYNAMICS OF ENERGY SYSTEMS* (I032874); 12 MONTHS $198,600

MCGARRY, F J; *A MODEL FOR SYSTEMS ANALYSIS OF TUNNELLING AND EXCAVATION* (I034089); 12 MONTHS $96,700

WANG, DANIEL I C; *ENZYME SYSTEMS AND TECHNOLOGY FOR LARGE-SCALE SYNTHESIS* (I034984); 12 MONTHS $376,400

WILSON, GERALD L; *PHYSICAL PROCESSES IN CONTAMINATION FLASHOVER OF HIGH-VOLTAGE INSULATORS* (I034783 X00); [illegible] MONTHS $61,200

WHITE, DAVID C; *ANALYTICAL TOOLS AND MODELING STUDIES FOR THE GAS INDUSTRY* (I034936); 12 MONTHS $255,600

CRANDALL, STEPHEN H, AND WILLIAMS, JAMES H JR; *EARTHQUAKE ISOLATION OF STRUCTURES BY DUCTILE METAL FOUNDATION PADS* (I034945); 12 MONTHS $42,700

MOORADIAN, ARAM, AND KELLEY, PAUL L; *DEVELOPMENT OF TURNABLE SEMI-CONDUCTOR LASERS FOR APPLICATION TO AIR POLLUTION MEASUREMENTS* (I034990); 18 MONTHS $221,000

UNIVERSITY OF MASSACHUSETTS, AMHERST

MIDDLEMAN, STANLEY, AND RHA, CHOKYUN; *DEVELOPMENT OF PROTEIN FIBER AS AN ENGINEERING MATERIAL* (I034897); 12 MONTHS $30,300

LAURENCE, R L, KITTRELL, J R, AND HULTIN, H O; *STUDIES OF A CATALYTIC REACTOR USING AN IMMOBILIZED MULTI-ENZYME SYSTEM* (I034976); 12 MONTHS $99,100

HERONEMUS, WILLIAM E; *OCEAN SITED POWER PLANTS* (I034979); 8 MONTHS $145,100

WORCESTER POLYTECHNIC INSTITUTE

CLEMENTS, KEVIN A; *RESEARCH INITIATION - DYNAMIC STATE ESTIMATION APPLIED TO ELECTRIC POWER SYSTEMS* (I032721); 18 MONTHS $20,000

MICHIGAN

UNIVERSITY OF MICHIGAN

STREETER, VICTOR L, AND WYLIE, E BENJAMIN; *EARTHQUAKE INDUCED TRANSIENT PORE PRESSURES IN EARTH DAMS* (I034771); 24 MONTHS $143,600

WAYNE STATE UNIVERSITY

MEISEL, JEROME, AND BARNARD, ROBERT; *DYNAMIC TRANSIENT CONTROL OF BULK INTERCONNECTED ELECTRIC POWER SYSTEMS* (I034977 X00); 12 MONTHS $35,600

MINNESOTA

UNIVERSITY OF MINNESOTA

FREDRICKSON, A G, AND TSUCHIYA, H M; *DYNAMICS OF INTERACTING MICROBIAL POPULATIONS* (I028874 X01); 12 MONTHS $51,000

FAIRHURST, CHARLES; *ROCK-TUNNEL LINING INTERACTION* (I033449); 18 MONTHS $133,100

JORDAN, R C; *RESEARCH APPLIED TO SOLAR-THERMAL POWER SYSTEMS* (I034871 X00); 12 MONTHS $446,600

MISSOURI

CANCER RESEARCH CENTER

BROWN, HARRY D; *NONAQUEOUS SYNTHESIS OF A MATRIX-SUPPORTED ENZYME* (I034773); 24 MONTHS $56,000

UNIVERSITY OF MISSOURI, COLUMBIA

OTT, GRANVILLE E; *DIGITAL COMPUTER CONTROL OF ELECTRICAL POWER SYSTEM SUBSTATIONS* (I032765 X00); 12 MONTHS $66,200

HOFT, RICHARD G, AND SLIVINSKY, CHARLES R; *SOLID STATE POWER CONTROL STABILITY ANALYSIS USING METHODS OF LIAPUNOV AND POPOV* (K034970 X00); 12 MONTHS $50,200

UNIVERSITY OF MISSOURI, ROLLA

CHENG, FRANKLIN Y; *DYNAMIC INSTABILITY AND ULTIMATE CAPACITY OF INELASTIC SYSTEMS PARAMETRICALLY EXCITED BY EARTHQUAKES* (I034966); 15 MONTHS $20,300

WASHINGTON UNIVERSITY

ZABORSZKY, JOHN; *STUDIES OF PRINCIPLES FOR THE ALL DIGITALLY CONTROLLED AND OPERATED POWER SYSTEM* (I034969 X00); 15 MONTHS $61,090

MONTANA

UNIVERSITY OF MONTANA

SHAFIZADEH, FRED; *CHEMISTRY OF CELLULOSIC FIRES* (I033645 X00); 12 MONTHS $83,700

NEVADA

UNIVERSITY OF NEVADA, RENO

DOUGLAS, BRUCE M; *A PROPOSAL FOR STRONG MOTION EARTHQUAKE INSTRUMENTATION FOR RENO, SPARKS, AND TRUCKEE MEADOWS, NEVADA* (I032569); 12 MONTHS $36,400

NEW HAMPSHIRE

DARTMOUTH COLLEGE

RAGONE, DAVID V; *A PRELIMINARY SURVEY OF EMISSION CONTROL TECHNOLOGY FOR COAL-FIRED ELECTRIC GENERATING PLANTS* (I032199); 4 MONTHS $12,000

NEW JERSEY

PRINCETON UNIVERSITY

GLASSMAN, IRVIN; *FLAME SPREADING ACROSS LIQUID FUELS* (I032554 X00); 12 MONTHS $55,000

SOCOLOW, ROBERT H, AND GROT, RICHARD A; *ENERGY CONSERVATION IN HOUSING* (I034994); 12 MONTHS $143,600

RUTGERS UNIVERSITY

ANDERSON, WAYNE A; *AN IMPROVED SCHOTTKY BARRIER PHOTOVOLTAIC DIODE FOR SOLAR ENERGY CONVERSION* (I032726); 18 MONTHS $16,000

CONSTANTINIDES, A; *MULTISTAGE ENZYMATIC CONVERSION OF GLUCOSE TO GLUCONIC ACID* (I034216); 12 MONTHS $31,900

CONSTANTINIDES, ALKIS, AND GILBERT, SEYMOUR; *USE OF IMMOBILIZED ENZYMES IN FOOD PROCESSING, WASTE TREATMENT AND PHARMACEUTICAL PREPARATIONS* (I034287); 12 MONTHS $192,300

ROBERTS, FRED S; *SIGNED DIGRAPHS AND THEIR APPLICATIONS TO PROBLEMS OF SOCIETY* (I034895); 24 MONTHS $35,800

NEW MEXICO

LOS ALAMOS SCIENTIFIC LABORATORY

ROWLEY, JOHN C; *INITIAL DEVELOPMENT OF A NEW TUNNELING AND EXCAVATION TECHNOLOGY BASED ON ROCK-MELTING* (AG00387); 6 MONTHS $145,000

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY

REITER, MARSHALL A; *INVESTIGATION OF THE THERMAL REGIME OF THE RIO GRANDE RIFT SYSTEM OF NEW MEXICO* (I032482); 24 MONTHS $24,900

NEW YORK

AMERICAN SOCIETY OF CIVIL ENGINEERS

WISELY, WILLIAM H; *EFFECTIVENESS OF UNDERGROUND CONSTRUCTION* (I030020 001); 6 MONTHS $39,400

TAYLOR, DONALD C; *EVALUATION OF CURRENT METHODS OF STRUCTURAL DYNAMICS ANALYSIS USING NUCLEAR-INDUCED TRANSIENT EXCITATION* (K033674*); 12 MONTHS $36,900

CITY COLLEGE

SQUIRES, ARTHUR M; *STUDIES TOWARD IMPROVING TECHNIQUES FOR GASIFYING COAL* (I034286); 18 MONTHS $644,400

CLARKSON COLLEGE OF TECHNOLOGY

HAMMAM, M S A A; *STUDY OF MULTI COMPUTER CONTROL OF SYSTEM VOLTAGE AND REACTIVE POWER ON REAL-TIME BASIS* (I034894 X00); 12 MONTHS $32,900

COLUMBIA UNIVERSITY

GREGOR, HARRY P; *STABILIZED ENZYME - HOLLOW FIBER SYSTEMS (I032497)*; 24 MONTHS $93,300

SCHULZ, HELMUT W; *STUDIES ON SYSTEMS FOR THE NON-POLLUTING DISPOSAL AND ECONOMIC UTILIZATION OF SOLID WASTE (I032609)*; 12 MONTHS $49,700

CORNELL UNIVERSITY

AUER, P L, AND COMAR, C L; *NATIONAL ENERGY NEEDS AND ENVIRONMENTAL QUALITY (I029903 X00)*; 12 MONTHS $335,300

COMAR, C L, AND AUER, P L; *NATIONAL ENERGY NEEDS AND ENVIRONMENTAL QUALITY (I029903 X01)*; 12 MONTHS $363,700

TORRANCE, KENNETH E; *FLAME SPREAD OVER LIQUID FUEL (I031894 X00)*; 12 MONTHS $30,500

LODAHL, THOMAS M; *WORKSHOP ON ENERGY AND THE ENVIRONMENT (I032540)*; 5 MONTHS $38,150

MOORE, FRANKLIN K; *RESEARCH ON HEAT REJECTION SYSTEMS (I034776)*; 18 MONTHS $85,400

EDWARDS, VICTOR H; *CHEMICAL REACTION ENGINEERING WITH INSOLUBILIZED ENZYMES (I034893)*; 9 MONTHS $19,900

NEW YORK UNIVERSITY

BECHERT, THOMAS E; *RESEARCH INITIATION - DYNAMIC OPTIMAL CONTROL OF ELECTRIC POWER GENERATIONS (I032725)*; 18 MONTHS $16,000

BECHERT, THOMAS E; *DYNAMIC OPTIMAL CONTROL OF ELECTRIC POWER GENERATIONS (I032725 001)*; 18 MONTHS $6,100

NETZER, DICK, AND HANSEN, WILLARD; *ELECTRIC ENERGY SUPPLY IN THE NEW YORK AREA-ECONOMIC DEVELOPMENT AND POLITICAL DECISION-MAKING PROCESS (I034982 X00)*; 12 MONTHS $122,600

STATE UNIVERSITY AT BUFFALO

RAY, W HARMON, AND SZEKELY, JULIAN; *MODELLING AND OPTIMIZATION OF THE IRONMAKING-STEELMAKING OPERATIONAL SEQUENCE (I034896)*; 12 MONTHS $49,400

UNITED ENGINEERING TRUSTEES

ZECCA, JOHN A, AND FINK, L H; *CONTROL STRATEGIES FOR POWER SYSTEMS (I034506)*; 12 MONTHS $10,500

DUNLOP, DONALD D; *ENERGY RESEARCH PRIORITIES (I034962)*; 12 MONTHS $10,300

KATZ, DONALD L; *ENERGY TECHNOLOGIES FOR THE FUTURE (I034963)*; 12 MONTHS $20,000

COLUMBIA UNIVERSITY-LAMONT-DOHERTY GEOLOGICAL OBSERVATORY

TRIFUNAC, MIHAILO D; *INVESTIGATION OF STRONG EARTHQUAKE GROUND MOTION (I034788)*; 24 MONTHS $102,300

NEW YORK UNIVERSITY-UNIVERSITY HEIGHTS CENTER

FERRI, ANTONIO, AND HOYDYSH, WALTER G; *AERODYNAMIC AND ENVIRONMENTAL EFFECTS OF MODULAR STRUCTURAL PLACEMENT (I034774)*; 24 MONTHS $130,300

NORTH CAROLINA

EAST CAROLINA UNIVERSITY

PENNINGTON, SAM N; *A MATRIX-SUPPORTED ENZYME THERMAL PROBE FOR CHEMICAL ANALYSES (I032567)*; 24 MONTHS $17,500

OHIO

OHIO STATE UNIVERSITY

ROYER, GARFIELD P; *APPLICATIONS OF IMMOBILIZED ENZYMES TO THE TREATMENT AND UTILIZATION OF FOOD PLANT WASTES (I032141)*; 24 MONTHS $127,600

CASE WESTERN RESERVE UNIVERSITY-SCHOOL OF MEDICINE

KRAMPITZ, L O; *HYDROGEN PRODUCTION BY PHOTOSYNTHESIS AND HYDROGENASE ACTIVITY – AN ENERGY SOURCE (I034992 X00)*; 18 MONTHS $150,000

OREGON

UNIVERSITY OF OREGON - EUGENE

DONNELLY, RUSSELL J; *APPLICATIONS OF CRYOGENIC TECHNIQUES TO PROBLEMS IN AIR POLLUTION (I033017 X00)*; 12 MONTHS $142,000

PENNSYLVANIA

COMBUSTION INSTITUTE

WILLIAMS, GLENN C; *FOURTEENTH SYMPOSIUM (INTERNATIONAL) ON COMBUSTION (K034613*)*; 12 MONTHS $5,000

PENNSYLVANIA STATE UNIVERSITY

DEWALLE, DAVID R; *AGRO-POWER-WASTE WATER COMPLEX (I035100)*; 18 MONTHS $73,000

UNIVERSITY OF PENNSYLVANIA

HUMPHREY, ARTHUR E, PERLMUTTER, DANIEL D, CHEN, MICHAEL S K, AND GRAVES, DAVID J; *ENZYME SYSTEMS AND THEIR PRACTICAL UTILIZATION (I032498 X00)*; 12 MONTHS $271,500

HUMPHREY, ARTHUR E; *ENZYME SYSTEMS AND THEIR PRACTICAL UTILIZATION (I032498 X01)*; 12 MONTHS $2,900

GRAVES, DAVID J; *RESEARCH INITIATION-PURIFICATION AND CONCENTRATION BY SELECTIVE COMPLEXING (I032722)*; 18 MONTHS $16,000

ZANDI, IRAJ; *TECHNOLOGY FOR THE CONVERSION OF SOLAR ENERGY TO FUEL GAS (I034991)*; 12 MONTHS $196,000

RHODE ISLAND

BROWN UNIVERSITY

SIBULKIN, MERWIN; *FLAME SPREADING OVER SOLID SURFACES (I031893 X00)*; 12 MONTHS $33,400

TENNESSEE

OAK RIDGE NATIONAL LABORATORY

LIVERMAN, JAMES L; *ELECTRICAL ENERGY AND ITS ENVIRONMENTAL IMPACT (AG00398)*; 12 MONTHS $493,100

ATOMIC ENERGY COMMISSION-OAK RIDGE OPERATIONS OFFICE-AEC

LIVERMAN, J L, AND FRAAS, ARTHUR P; *POTASSIUM-STEAM BINARY VAPOR CYCLE (AG00392)*; 12 MONTHS $360,000

UTAH

UNIVERSITY OF UTAH

EINHORN, IRVING N; *THE PHYSIOLOGICAL AND TOXICOLOGICAL ASPECTS OF SMOKE PRODUCED DURING THE COMBUSTION OF POLYMERIC MATERIALS (I033650)*; 12 MONTHS $139,000

CUTLER, IVAN B; *REFRACTORY MATERIALS FOR COAL FUELED M.H.D. POWER GENERATION (I034983)*; 12 MONTHS $81,200

VIRGINIA

INTERTECHNOLOGY CORPORATION

SZEGO, G C; *CONTRACT FOR A SYSTEMATIC ANALYSIS OF THE ENERGY PROBLEM WITHIN THE UNITED STATES (C645000 001)*; 3 MONTHS $93,419

SZEGO, G C; *CONTRACT FOR A SYSTEMATIC ANALYSIS OF THE ENERGY PROBLEM WITHIN THE UNITED STATES (C645000 008)*; 1 MONTHS $40,000

UNIVERSITY OF VIRGINIA

KIRWAN, DONALD J; *ENZYMATIC AND ELECTROCHEMICAL DESTRUCTION OF VIRUSES (I034772)*; 12 MONTHS $59,700

WASHINGTON

UNIVERSITY OF WASHINGTON

HENNES, ROBERT G, AND BOSTROM, ROBERT C; *DYNAMIC STABILITY OF EARTH STRUCTURES (I034780)*; 24 MONTHS $145,900

HERNANDEZ, E NORMAN; *DEVELOPMENT OF MULTI-COLOR HIGH RESOLUTION DISTANCE MEASURING INSTRUMENTS (I034954)*; 12 MONTHS $245,700

HENNES, R G; *INTERNATIONAL CONFERENCE ON MICROZONATION (K033312*)*; 12 MONTHS $33,000

WEST VIRGINIA

WEST VIRGINIA UNIVERSITY

BYRD, JACK JR; *RESEARCH INITIATION - DEVELOPMENT OF AN INTERACTIVE SIMULATION MODEL TO OBTAIN ENERGY DECISION MAKER PROFILES (I032724)*; 18 MONTHS $20,000

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

DUFFIE, J A, AND BECKMAN, W A; *COMPUTER MODELING AND SIMULATION OF SOLAR HEATING AND COOLING SYSTEMS (I034028)*; 15 MONTHS $75,000

ENVIRONMENTAL SYSTEMS AND RESOURCES

ARIZONA

MUSEUM OF NORTHERN ARIZONA

WALTHER, ERIC G; *COLLABORATIVE RESEARCH ON THE CONSEQUENCES OF WATER MANAGEMENT AND RELATED ACTIVITIES IN THE LAKE POWELL REGION (I034838)*; 12 MONTHS $60,900

UNIVERSITY OF ARIZONA

LEVY, JERROLD E; *COLLABORATIVE RESEARCH ON THE CONSEQUENCES OF WATER MANAGEMENT AND RELATED ACTIVITIES IN THE LAKE POWELL REGION (I034832)*; 12 MONTHS $87,500

CALIFORNIA

JOHN MUIR INST FOR ENVIRONMENTAL STUDIES INC

AITKEN, DONALD W, AND BEN-DAVID, SHAUL; *COLLABORATIVE RESEARCH ON THE CONSEQUENCES OF WATER MANAGEMENT AND RELATED ACTIVITIES IN THE LAKE POWELL REGION (I034834)*; 12 MONTHS $100,800

STANFORD RESEARCH INSTITUTE

HOPKINS, GEORGE D; *TECHNOLOGY ASSESSMENT OF WINTER OROGRAPHIC SNOWPACK AUGMENTATION IN THE UPPER COLORADO RIVER BASIN* (*C641000 002*); 4 MONTHS $2,500

HOPKINS, GEORGE D; *EXTENSION OF STUDY OF TECHNOLOGY ASSESSMENT OF WINTER OROGRAPHIC SNOWPACK AUGMENTATION IN THE UPPER COLORADO RIVER BASIN* (*C641000 003*); 1 MONTHS $29,700

UTHE, EDWARD E; *METROMEX AEROSOL AND RADIATION EXPERIMENT* (*I034770*); 12 MONTHS $68,400

STANFORD UNIVERSITY

PARKS, GEORGE A; *TRACE ELEMENTS IN WATER- ORIGIN, FATE, AND CONTROL* (*I032943*); 18 MONTHS $210,000

UNIVERSITY OF CALIFORNIA, DAVIS

GOLDMAN, CHARLES R; *A RESEARCH PROGRAM IN THE LAKE TAHOE BASIN* (*I000022 003*); 18 MONTHS $561,100

WATT, KENNETH E F, AND BREWER, JOHN; *LAND USE AND ENERGY FLOW IN HUMAN SOCIETY* (*I000027 001*); 12 MONTHS $364,600

UNIVERSITY OF CALIFORNIA, LOS ANGELES

ANDERSON, ORSON L; *COLLABORATIVE RESEARCH ON ASSESSMENT OF MAN'S ACTIVITIES ON THE LAKE POWELL REGION* (*I029423 001*); 3 MONTHS $2,250

PERLOFF, HARVEY S; *WORKSHOP/CONFERENCE ON RESEARCH NEEDS FOR LAND-USE PLANNING* (*I031136*); 6 MONTHS $11,000

PERLOFF, HARVEY S; *WORKSHIP/CONFERENCE ON RESEARCH NEEDS FOR PLANNING DEVELOPMENT AND MANAGEMENT OF OUR PHYSICAL ENVIRONMENTS* (*I032906*); 8 MONTHS $74,100

PRICE, MONROE; *COLLABORATIVE RESEARCH ON THE CONSEQUENCES OF WATER MANAGEMENT AND RELATED ACTIVITIES IN THE LAKE POWELL REGION* (*I034833*); 12 MONTHS $43,300

ANDERSON, ORSON L; *COLLABORATIVE RESEARCH ON THE CONSEQUENCES OF WATER MANAGEMENT AND RELATED ACTIVITIES IN THE LAKE POWELL REGION* (*I034835*); 12 MONTHS $63,400

ANDERSON, ORSON L; *COLLABORATIVE RESEARCH ON THE CONSEQUENCES OF WATER MANAGEMENT AND RELATED ACTIVITIES IN THE LAKE POWELL REGION* (*I034840*); 12 MONTHS $78,300

UNIVERSITY OF CALIFORNIA, RIVERSIDE

PRATT, P F; *NITRATE IN EFFLUENTS FROM IRRIGATED LANDS* (*I034733 X00*); 12 MONTHS $590,450

COLORADO

COLORADO STATE UNIVERSITY

GRANT, LEWIS O; *PRECIPITATION AUGMENTATION FROM OROGRAPHIC CLOUDS* (*I031460*); 12 MONTHS $263,400

GRANT, LEWIS O, AND CORRIN, MYRON L; *LABORATORY CLOUD SIMULATION TO SUPPORT WEATHER MODIFICATION RESEARCH AND FIELD PROGRAMS* (*I032894 X00*); 12 MONTHS $106,800

JAMESON, DONALD A; *REGIONAL ANALYSIS OF GRASSLAND ENVIRONMENTAL SYSTEMS* (*I033370*); 18 MONTHS $250,300

EDWARDS, HARRY W; *IMPACT ON MAN OF ENVIRONMENTAL CONTAMINATION CAUSED BY LEAD* (*I034813 X00*); 12 MONTHS $447,300

NATIONAL CENTER FOR ATMOSPHERIC RESEARCH

FIROR, JOHN W; *CONTRACT FOR THE MANAGEMENT, OPERATION, AND MAINTENANCE OF THE NATIONAL CENTER FOR ATMOSPHERIC RESEARCH, BOULDER, COLORADO* (*C660000 003*); 12 MONTHS $1,810,000

FIROR, JOHN W; *NATIONAL HAIL RESEARCH EXPERIMENT* (*C660000 006*); 12 MONTHS $560,000

UNIVERSITY OF COLORADO

CHAPPELL, WILLARD R, AND JORDEN, ROGER; *TRANSPORT AND THE BIOLOGICAL EFFECTS OF MOLYBDENUM IN THE ENVIRONMENT* (*I034814 X00*); 12 MONTHS $290,000

UNIVERSITY OF DENVER

UPDEGRAFF, DAVID M; *THE BIODEGRADABILITY AND ECOLOGICAL EFFECTS OF ORGANIC WEATHER MODIFICATION AGENTS* (*I033037*); 12 MONTHS $28,100

SCHMIDT-COLLERUS, JOSEF J; *THE DISPOSAL AND ENVIRONMENTAL EFFECTS OF CARBONACEOUS SOLID WASTES FROM COMMERCIAL OIL SHALE OPERATIONS* (*I034282 X00*); 12 MONTHS $96,200

DELAWARE

UNIVERSITY OF DELAWARE

WHIPPLE, WM JR, AND PATRICK, RUTH; *THE DELAWARE ESTUARY SYSTEM, ENVIRONMENTAL IMPACTS AND SOCIO-ECONOMIC EFFECTS* (*I033369*); 18 MONTHS $370,000

DISTRICT OF COLUMBIA

ASSOCIATED COLLEGIATE SCHOOLS OF ARCHITECTURE

BURCHARD, CHARLES; *A RESEARCH WORKSHOP FOR ENVIRONMENTAL DESIGN FACULTY* (*I031658*); 6 MONTHS $17,300

DEPARTMENT OF AGRICULTURE

BOONE, LARRY M; *ECONOMIC AND INSTITUTIONAL CONSIDERATIONS OF SUPPRESSING HAIL* (*AG00275*); 12 MONTHS $50,000

NATIONAL ACADEMY OF SCIENCES

BOVE, ALBERT N; *SUBCOMMITTEE ON THE GEOCHEMICAL ENVIRONMENT IN RELATION TO HEALTH AND DISEASE* (*C310206 001*); 18 MONTHS $62,600

SMITHSONIAN INSTITUTION

WILLIAMSON, FRANCIS S L; *INTERDISCIPLINARY RESEARCH ON A WATERSHED-ESTUARINE SYSTEM OF THE CHESAPEAKE BAY* (*I032108*); 7 MONTHS $41,100

DEPARTMENT OF NAVY-AIR SYSTEMS COMMAND

WILLIAMS, BEN; *REPAIRS FOR T-28 AIRCRAFT N510MH BY NAVAL AIR REWORK FACILITY, PENSACOLA, FLORIDA* (*CA81000*); 6 MONTHS $40,500

FLORIDA

UNIVERSITY OF SOUTH FLORIDA

BRAMAN, ROBERT S; *STUDIES OF THE MOLECULARITY AND REACTIONS OF SELECTED HEAVY METALS IN THE ENVIRONMENT* (*I034794 X00*); 12 MONTHS $37,500

GEORGIA

COASTAL STATES ORGANIZATION

HARGIS, WILLIAM G JR; *COASTAL STATES ORGANIZATION CONFERENCE* (*I030328*); 4 MONTHS $3,500

ILLINOIS

IIT RESEARCH INSTITUTE

STAKE, A M, AND ZERLAUT, G A; *A FEASIBILITY STUDY OF EVAPORATION SUPPRESSANTS FOR CLOUD AND FOG MODIFICATION* (*I034310*); 12 MONTHS $3[illegible],100

UNIVERSITY OF CHICAGO

FUJITA, T THEODORE; *BASIC RESEARCH ON TORNADOES RELEVANT TO THEIR MODIFICATION* (*I030772*); 24 MONTHS $55,400

TOLLEY, GEORGE S; *ENVIRONMENTAL POLLUTANTS AND THE URBAN ECONOMY* (*I032989*); 15 MONTHS $314,700

BRAHAM, ROSCOE R JR; *INADVERTENT WEATHER MODIFICATION IN THE ST. LOUIS AREA* (*I033373*); 12 MONTHS $190,400

UNIVERSITY OF ILLINOIS AT URBANA

METCALF, ROBERT L, AND EWING, BEN B; *INTERDISCIPLINARY STUDY OF ENVIRONMENTAL POLLUTION BY LEAD* (*I000026 001*); 1 MONTHS $18,000

LAITINEN, H A; *AN INTERDISCIPLINARY STUDY OF ENVIRONMENTAL POLLUTION BY LEAD AND OTHER METALS* (*I031605*); 18 MONTHS $950,000

CHANGNON, STANLEY A JR; *FIELD STUDY OF URBAN EFFECTS ON PRECIPITATION AND SEVERE WEATHER AT ST. LOUIS* (*I033371*); 12 MONTHS $144,200

CHANGNON, STANLEY A JR; *RESEARCH COORDINATION OF METROMEX- A STUDY OF URBAN EFFECTS ON WEATHER AND RAINFALL* (*I034797*); 12 MONTHS $65,800

ATOMIC ENERGY COMMISSION-CHICAGO OPERATIONS OFFICE-AEC

CROKE, KEVIN; *ENVIRONMENTAL POLLUTANTS AND THE URBAN ECONOMY* (*AG00352*); 15 MONTHS $230,000

IOWA

IOWA STATE UNIVERSITY OF SCIENCE & TECHNOLOGY

HEADY, EARL O; *NATIONAL ENVIRONMENTAL MODELS OF AGRICULTURAL POLICY, LAND USE AND WATER QUALITY* (*I032990*); 24 MONTHS $566,700

MARYLAND

JOHNS HOPKINS UNIVERSITY

SELIGER, HOWARD H; *INTERDISCIPLINARY RESEARCH ON A WATERSHED-ESTUARINE SYSTEM OF THE CHESAPEAKE BAY* (*I032110*); 7 MONTHS $62,600

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

PHILLIPS, BYRON B; *SURFACE AREAL-TEMPORAL HAIL AND RAINFALL STUDY WITHIN THE NATIONAL HAIL RESEARCH EXPERIMENT* (*A000257 001*); 16 MONTHS $99,900

UNIVERSITY OF MARYLAND, COLLEGE PARK

CORLISS, JOHN O; *INTERDISCIPLINARY RESEARCH ON A WATERSHED-ESTUARINE SYSTEM OF THE CHESAPEAKE BAY* (*I032109*); 7 MONTHS $23,550

MASSACHUSETTS

BOSTON UNIVERSITY

DOWNING, DAVID R; *RESEARCH INITIATION - MODELING AND*

ANALYSIS OF A SALT MARSH ECOSYSTEM SUBJECTED TO NUTRIENT ADDITIONS (I032728); 18 MONTHS $20,000

HARVARD UNIVERSITY

STEINITZ, CARL F, ROGERS, PETER, AND TOTH, RICHARD; *THE INTERACTION BETWEEN URBANIZATION AND LAND-QUALITY AND QUANTITY IN ENVIRONMENTAL PLANNING AND DESIGN (I032603)*; 12 MONTHS $251,300

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

MOORE, STEPHEN F; *RESEARCH INITIATION - DATA-MODEL INTERACTIONS, A RATIONAL BASIS FOR WATER QUALITY MONITORING PROGRAMS (I032727)*; 18 MONTHS $16,000

WOODS HOLE OCEANOGRAPHIC INSTITUTION

KETCHUM, BOSTWICK H; *THE STUDY OF THE CRITICAL PROBLEMS OF THE COASTAL ZONE (I031758)*; 12 MONTHS $123,800

RYTHER, JOHN H; *THE USE OF FLOWING BIOLOGICAL SYSTEMS IN AQUACULTURE, SEWAGE TREATMENT, POLLUTION ASSAY, AND FOOD-CHAIN STUDIES (I032140)*; 24 MONTHS $572,000

MICHIGAN

UNIVERSITY OF MICHIGAN

KOENIG, HERMAN E; *ECOSYSTEM DESIGN AND MANAGEMENT (I000020 001)*; 24 MONTHS $900,000

RANEY, R KEITH; *APPLICATION OF REMOTE SENSING TECHNOLOGY TO ENVIRONMENTAL PLANNING AND PUBLIC POLICY FORMULATION (I034809 X00)*; 12 MONTHS $371,500

KADLEC, JOHN A, AND KADLEC, ROBERT H; *THE EFFECTS OF SEWAGE EFFLUENT ON WETLAND ECOSYSTEMS (I034812 X00)*; 12 MONTHS $133.500

PADDOCK, MARK W; *ENVIRONMENTAL IMPACT BY MAN ON NON-URBAN REGIONS (I034898)*; 18 MONTHS $130,000

ZISSIS, GEORGE J; *ASSESSING THE IMPACT OF REMOTE SENSING OF THE ENVIRONMENT (I034899)*; 15 MONTHS $141,500

MISSOURI

UNIVERSITY OF MISSOURI, COLUMBIA

HEMPHILL, DELBERT D; *SIXTH ANNUAL CONFERENCE ON TRACE SUBSTANCES IN ENVIRONMENTAL HEALTH (I029901 001)*; 12 MONTHS $15,300

WASHINGTON UNIVERSITY

KOHL, DANIEL H, AND COMMONER, BARRY; *A STUDY OF CERTAIN ECOLOGICAL, PUBLIC HEALTH AND ECONOMIC CONSEQUENCES OF THE USE OF INORGANIC NITROGEN FERTILIZER (I029926 X01)*; 12 MONTHS $334,800

MONTANA

MONTANA STATE UNIVERSITY

JEZESKI, JAMES J; *THE IMPACT OF A LARGE RECREATIONAL DEVELOPMENT UPON A SEMI-PRIMITIVE ENVIRONMENT- A CASE STUDY (I029908 X01)*; 12 MONTHS $240,900

NEBRASKA

CHADRON STATE COLLEGE

STRUEMPLER, ARTHUR W; *THE ANALYSIS OF SILVER IN PRECIPITATION BY THE FLAMELESS GRAPHITE FURNACE METHOD (I032556)*; 12 MONTHS $12,200

NEVADA

DESERT RESEARCH INSTITUTE

STEELE, ROGER L; *SEQUENCE EFFECTS OF HETEROGENEOUS NUCLEATION (I034807)*; 12 MONTHS $69,200

NEW HAMPSHIRE

DARTMOUTH COLLEGE

REYNOLDS, ROBERT C, JOHNSON, NOYE M, AND DRAKE, CHARLES L; *ASSESSMENT OF MAN'S ACTIVITIES ON LAKE POWELL REGION (I029421 001)*; 1 MONTHS $1,265

JOHNSON, NOYE M, AND REYNOLDS, ROBERT; *COLLABORATIVE RESEARCH ON THE CONSEQUENCES OF WATER MANAGEMENT AND RELATED ACTIVITIES IN THE LAKE POWELL REGION (I034839)*; 12 MONTHS $102,000

DARTMOUTH COLLEGE-THAYER SCHOOL OF ENGINEERING

MEADOWS, DENNIS L; *LONG-TERM NATURAL RESOURCE AVAILABILITY-ENVIRONMENTAL AND POLICY IMPLICATIONS IN THE U.S. (I034808 X00)*; 12 MONTHS $123,000

NEW MEXICO

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY

MOORE, CHARLES B, COLGATE, STIRLING A, HOLMES, CHARLES R, AND WINN, WILLIAM P; *RESEARCH INTO CLOUD ELECTRIFICATION AND ITS MODIFICATION (I033372 X00)*; 12 MONTHS $188,700

UNIVERSITY OF NEW MEXICO

POTTER, LOREN D, AND KIDD, DAVID E; *COLLABORATIVE RESEARCH ON THE CONSEQUENCES OF WATER MANAGEMENT AND RELATED ACTIVITIES IN THE LAKE POWELL REGION (I034831)*; 12 MONTHS $146,000

NEW YORK

STATE UNIVERSITY AT ALBANY

CHESSIN, HENRY, AND VONNEGUT, BERNARD; *DEVELOPMENT OF CLOUD SEEDING TECHNOLOGY UTILIZING MODIFIED AGI STRUCTURES (I034732)*; 12 MONTHS $35,400

UNIVERSITY OF ROCHESTER

CLARKSON, THOMAS W; *METHYL MERCURY AND RELATED COMPOUNDS AS ENVIRONMENTAL HAZARDS TO MAN (I030097 X02)*; 3 MONTHS $33,000

KUNITZ, STEVEN J; *COLLABORATIVE RESEARCH ON THE CONSEQUENCES OF WATER MANAGEMENT AND RELATED ACTIVITIES IN THE LAKE POWELL REGION (I034837)*; 12 MONTHS $16,000

UNIVERSITY OF ROCHESTER-SCHOOL OF MEDICINE AND DENTISTRY

CLARKSON, THOMAS W; *METHYL MERCURY AND RELATED COMPOUNDS AS ENVIRONMENTAL HAZARDS TO MAN (I030097 X02)*; 12 MONTHS $393,900

NORTH CAROLINA

RESEARCH TRIANGLE INSTITUTE

VUKOVICH, FRED M; *ON OPTIMUM METEOROLOGICAL AND AIR POLLUTION SAMPLING SITE SELECTION IN URBAN AREAS (I034345)*; 12 MONTHS $132,600

OHIO

CASE WESTERN RESERVE UNIVERSITY

HAIMES, YACOV Y, AND MESAROVIC, MIHAJLO; *MULTILEVEL APPROACH FOR REGIONAL WATER RESOURCE PLANNING AND MANAGEMENT (I034026)*; 24 MONTHS $69,700

OREGON

OREGON STATE UNIVERSITY

HEWSON, E WENDELL, AND GAY, LLOYD; *DOCTORAL DISSERTATION RESEARCH IN THE ENVIRONMENTAL SCIENCES (A034743*)*; 12 MONTHS $4,000

SLOTTA, LARRY S, BELLA, DAVID, AND SCHAUMBURG, FRANK; *DREDGE SPOIL DISTRIBUTION AND ESTUARINE EFFECTS (I034346)*; 18 MONTHS $269,400

PENNSYLVANIA

UNIVERSITY OF PITTSBURGH

OCHS, JACK; *FINANCING IN SOLID WASTE MANAGEMENT DESIGN (I033646)*; 14 MONTHS $25,600

SOUTH DAKOTA

SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY

DENNIS, ARNETT S; *NUMERICAL ANALYSIS OF PROPOSED HAIL SUPPRESSION CONCEPTS (A030414)*; 24 MONTHS $86,300

DAVIS, BRIANT L; *CHEMICAL COMPLEXING OF SILVER IODIDE-ALKALI IODIDE AEROSOLS PREPARED FOR CLOUD SEEDING PURPOSES (I034806)*; 24 MONTHS $103,900

TENNESSEE

OAK RIDGE NATIONAL LABORATORY

LIVERMAN, JAMES L; *ENVIRONMENTAL QUALITY INDICES (AG00390)*; 12 MONTHS $100,000

LIVERMAN, JAMES L; *AN ANALYSIS OF A REGIONAL ENVIRONMENTAL SYSTEM (AG00391)*; 12 MONTHS $490,000

LIVERMAN, JAMES L; *INTEGRATION OF PROBLEM-ORIENTED ENVIRONMENTAL RESEARCH (AG00395)*; 12 MONTHS $90,000

ATOMIC ENERGY COMMISSION-OAK RIDGE OPERATIONS OFFICE-AEC

LIVERMAN, JAMES L; *ECOLOGY AND ANALYSIS OF TRACE CONTAMINANTS (AG00389)*; 12 MONTHS $1,247,600

TEXAS

SOUTHERN METHODIST UNIVERSITY

TAUBENFELD, HOWARD J; *STUDY GROUP ON THE SOCIETAL CONSEQUENCES OF WEATHER MODIFICATION (I031459 X00)*; 12 MONTHS $60,500

UNIV OF TEXAS AT AUSTIN

SAGIK, BERNARD P; *VIRUSES, SEWAGE AND TERRESTRIAL WASTE DISPOSAL (I034283 X00)*; 12 MONTHS $147,300

FRUH, GUS; *ESTABLISHMENT OF OPERATIONAL GUIDELINES FOR TEXAS COASTAL ZONE MANAGEMENT (I034870 X00)*; 12 MONTHS $239,000

UNIVERSITY OF HOUSTON

THOMPSON, RUSSELL G; *NATIONAL ECONOMIC MODELS OF INDUSTRIAL WATER USE AND WASTE TREATMENT (I034459)*; 12 MONTHS $263,900

VIRGINIA

CHESAPEAKE RESEARCH CONSORTIUM INC

HARGIS, WILLIAM J JR; *CHESAPEAKE BAY RESEARCH (I034869)*; 12 MONTHS $1,499,300

VIRGINIA POLYTECHNIC INSTITUTE

WALKER, WILLIAM R; *DEEP WELL DISPOSAL (I034815)*; 18 MONTHS $94,300

WASHINGTON

UNIVERSITY OF WASHINGTON

HOBBS, PETER V; *RESEARCH IN CLOUD PHYSICS AND WEATHER MODIFICATION (I031759)*; 12 MONTHS $145,000

CARPENTER, ROY; *GEOCHEMISTRIES OF MERCURY, ARSENIC, AND OTHER METALS IN PUGET SOUND (I033325 X00)*; 12 MONTHS $38,500

BETHEL, JAMES S; *MODELS OF THE FOREST ECOSYSTEM OF THE SNOHOMISH RIVER DRAINAGE BASIN (I034460)*; 12 MONTHS $151,600

BATTELLE MEMORIAL INSTITUTE-BATTELLE NORTHWEST

PERKINS, RICHARD W; *FEASIBILITY STUDY OF THE USE OF INERT TRACERS IN THE NATIONAL HAIL RESEARCH EXPERIMENT (AG00379)*; 12 MONTHS $38,000

WISCONSIN

INSTITUTE OF ECOLOGY

STEARNS, FOREST; *URBAN ECOSYSTEM STUDIES (I034997)*; 1 MONTHS $10,000

UNIVERSITY OF WISCONSIN, MADISON

ANDERSON, C E; *LABORATORY STUDIES OF ICE NUCLEI INHIBITORS (I031058)*; 12 MONTHS $47,800

ANDERSON, C E, AND SIKDAR, D N; *STUDY OF THE FEATURES AND ENERGY BUDGETS OF NORTHEASTERN COLORADO HAILSTORMS (I031278 X00)*; 12 MONTHS $97,500

WYOMING

UNIVERSITY OF WYOMING

VEAL, DONALD L; *DEVELOPMENT OF LEAF-DERIVED ICE NUCLEI FOR WEATHER MODIFICATION (I032555 X00)*; 12 MONTHS $68,000

SOCIAL SYSTEMS AND HUMAN RESOURCES

CALIFORNIA

RAND CORPORATION

LEVINE, ROBERT A; *URBAN POLICY ANALYSIS (I029763 001)*; 3 MONTHS $61,500

LEVINE, ROBERT A; *PROJECTS IN SYSTEMATIC ANALYSIS OF URBAN POLICY (I029763 002)*; 12 MONTHS $1,015,700

STANFORD UNIVERSITY

LUSIGNAN, BRUCE B; *JOINT MISSION COALITION ORGANIZATION/STANFORD UNIVERSITY COMMUNITY (I029925 X01)*; 12 MONTHS $261,200

UNIVERSITY OF CALIFORNIA, BERKELEY

STONEBRAKER, MICHAEL R; *RESEARCH INITIATION-USE OF ENGINEERING SYSTEMS CONCEPTS FOR JOB SCHEDULING IN CRIMINAL JUSTICE SYSTEMS (I032716)*; 18 MONTHS $20,000

UNIVERSITY OF CALIFORNIA, DAVIS

MCEVOY, JAMES III, AND MUSOLF, LLOYD D; *ENVIRONMENTAL DECISION MAKING IN THE LAKE TAHOE BASIN (I000022 002)*; 7 MONTHS $100,000

COLORADO

UNIVERSITY OF COLORADO

HAAS, EUGENE, AND WHITE, GILBERT; *ASSESSMENT OF RESEARCH ON NATURAL HAZARDS (I032942)*; 26 MONTHS $723,900

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS (02AWDS)*; $882

AMERICAN COUNCIL ON EDUCATION

ASTIN, ALEXANDER W, AND BAYER, ALAN E; *IMPACT OF ALTERNATIVE INSTITUTIONAL STRUCTURES ON THE OUTPUTS OF THE HIGHER EDUCATION SYSTEM (I034394)*; 18 MONTHS $529,300

AMERICAN REVOLUTION BICENTENNIAL COMMISSION

HULCHER, WENDELL E; *KEY ASPECTS OF AMERICAN FEDERALISM (T000031*)*; 6 MONTHS $10,000

FLORIDA

FLORIDA ATLANTIC UNIVERSITY

CATALDO, EVERETT F; *DETERMINANTS OF RESEGREGATION- REJECTION/ COMPLIANCE BEHAVIOR AND POLICY ALTERNATIVES (I034955)*; 15 MONTHS $549,600

GEORGIA

UNIVERSITY OF GEORGIA

LEE, EVERETT S, AND TARVER, JAMES D; *POPULATION REDISTRIBUTION- A CHALLENGE FOR POLICY AND PLANNING (I034956)*; 18 MONTHS $477,300

ILLINOIS

CENTER FOR RESEARCH LIBRARIES

WILLIAMS, GORDON, AND BERESFORD, JOHN C; *CENSUS LABORATORY AND CLEARINGHOUSE (I032198)*; 18 MONTHS $786,300

NATIONAL OPINION RESEARCH CENTER

DAVIS, JAMES A; *A NATIONAL EVALUATION OF COMMUNITY SERVICES (I034796)*; 18 MONTHS $983,400

SOUTHERN ILLINOIS UNIVERSITY - CARBONDALE

KAHN, ALFRED; *A STUDY OF CARBON MONOXIDE IN THE ST. LOUIS METROPOLITAN AREA AND SOME IMPLICATIONS FOR SOCIAL AND PLANNING POLICY (I029900 001)*; 18 MONTHS $93,900

LOUISIANA

SOUTHERN UNIVERSITY

STEPTOE, ROOSEVELT; *SOCIAL, ECONOMIC AND POLITICAL IMPACTS OF THE SCOTLANDVILLE BY-PASS (I034803)*; 12 MONTHS $96,200

NEW YORK

COLUMBIA UNIVERSITY

BARTON, ALLEN H, AND SIEBER, SAM D; *NIEGHBORHOOD GOVERNMENT AND THE QUALITY OF URBAN LIFE- EVALUATION OF AN EXPERIMENT IN DECENTRALIZATION (I032437)*; 36 MONTHS $1,443,100

STATE UNIVERSITY AT STONY BROOK

NATHANS, ROBERT; *POLICY RESEARCH ON URBAN PROBLEMS (I034842 X00)*; 12 MONTHS $332,700

NORTH CAROLINA

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

STEGMAN, MICHAEL A; *THE DYNAMICS OF NON-METROPOLITAN URBAN RENTAL HOUSING MARKETS- A COMPARATIVE ANALYSIS (I033649)*; 36 MONTHS $325,400

WEISS, SHIRLEY F; *PERFORMANCE CRITERIA FOR NEW COMMUNITY DEVELOPMENT- EVALUATION AND PROGNOSIS (I034285)*; 32 MONTHS $1,179,400

PENNSYLVANIA

UNIVERSITY OF PENNSYLVANIA

WOLFGANG, MARVIN E; *EVALUATION OF RESEARCH AND THEORY IN CRIMINOLOGY (I034810)*; 24 MONTHS $578,800

TENNESSEE

KNOXVILLE COLLEGE

MCARTHUR, WILLIAM H; *AN INTERDISCIPLINARY ASSESSMENT OF THE TRADITIONALLY NEGRO INSTITUTIONS CAPABILITIES (I032503)*; 15 MONTHS $97,990

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

FEATHERMAN, DAVID L, AND HAUSER, ROBERT M; *OCCUPATIONAL CHANGES IN A GENERATION II (I031604 X00)*; 24 MONTHS $888,300

EXPLORATORY RESEARCH AND PROBLEM ASSESSMENT

CALIFORNIA

RAND CORPORATION

JUNCOSA, MARIO L, AND TURN, REIN; *RESEARCH IN PROTECTION OF PRIVACY OF PERSONAL INFORMATION IN DATA BANKS-THEORETICAL AND TECHNICAL ASPECTS (I029943 001)*; 12 MONTHS $110,900

BAER, WALTER S; *CABLE TV- RESEARCH AND PROBLEM ASSESSMENT FOR FRANCHISE DECISION-MAKING (I032107)*; 11 MONTHS $267,000

HULT, JOHN L, AND OSTRANDER, NEILL C; *A FEASIBILITY STUDY OF POLAR ICE AS A FRESH WATER RESOURCE (I034981)*; 9 MONTHS $49,900

UNIVERSITY OF SOUTHERN CALIFORNIA

EMPEY, LAMAR T; *SOCIAL AND CULTURAL CONTEXTS OF AGING-IMPLICATIONS FOR SOCIAL POLICY (I034953 X00)*; 12 MONTHS $277,800

NATIONAL RESEARCH CENTERS

NATIONAL RADIO ASTRONOMY OBSERVATORY

CALIFORNIA

STANFORD RESEARCH INSTITUTE

PRESNELL, RONALD; *OPERATION AND MAINTENANCE OF NRAO, (NSF-C450) (C706000)*; 4 MONTHS $124,126

DISTRICT OF COLUMBIA

DEPARTMENT OF ARMY-CORPS OF ENGINEERS

BANNISTER, WILLIAM; *INTERAGENCY AGREEMENT WITH THE U.S. ARMY CORPS OF ENGINEERS FOR THE LAND ACQUISITION SERVICES FOR THE VLA (NRAO-C450) (CA90000)*; 36 MONTHS $20,000

WEST VIRGINIA

NATIONAL RADIO ASTRONOMY OBSERVATORY

HEESCHEN, D S; *OPERATION AND MAINTENANCE OF NRAO, NSF-C450 (C450000 020)*; 12 MONTHS $6,300,000

HEESCHEN, D S; *OPERATION AND MAINTENANCE OF NRAO, NSF-C450 (C450000 021)*; $225,874

NATIONAL CENTER FOR ATMOSPHERIC RESEARCH

ARIZONA

DEPARTMENT OF ARMY-ELECTRONIC PROVING GROUND

DIXON, K; *INTERAGENCY AGREEMENT WITH U.S. ARMY TEST AND EVALUATION COMMAND TO PROVIDE ASSISTANCE IN CHECKING OUT AN INFRARED LINE SCANNER INSTALLED IN ONE OF THE QUEEN AIR AIRCRAFT CONTRACT NSF-C460 (NCAR) (CA62000)*; 12 MONTHS $1,410

CALIFORNIA

UNIVERSITY OF CALIFORNIA, SAN DIEGO

NIERENBERG, WILLIAM A; *DRILLING OF SEDIMENTS IN THE PACIFIC AND ATLANTIC OCEANS AND ADJACENT SEAS, NSF-C482 (C482000 027*)*; $132,499

COLORADO

NATIONAL CENTER FOR ATMOSPHERIC RESEARCH

FIROR, JOHN W; *CONTRACT FOR THE MANAGEMENT, OPERATION, AND MAINTENANCE OF THE NATIONAL CENTER FOR ATMOSPHERIC RESEARCH (C660000)*; 12 MONTHS $3,600,000

FIROR, JOHN W; *OPERATION AND MAINTENANCE OF THE NATIONAL CENTER FOR ATMOSPHERIC RESEARCH (C660) (C660000 002)*; $12,003,040

FIROR, JOHN W; *OPERATION AND MAINTENANCE OF THE NATIONAL CENTER FOR ATMOSPHERIC RESEARCH, NSF - C-660 (C660000 004)*; $4,889,460

FIROR, JOHN W; *FUND JOINT EVALUATION COMMITTEE (NCAR), NSF-C660 (C660000 011)*; $25,000

FIROR, JOHN W; *1973 SOLAR ECLIPSE COORDINATION - NATIONAL CENTERS FOR ATMOSPHERIC RESEARCH, NSF-C660 (C660000 012*)*; $7,545

FIROR, JOHN W; *CONTRACT FOR THE MANAGEMENT, OPERATION, AND MAINTENANCE OF THE NATIONAL CENTER FOR ATMOSPHERIC RESEARCH (NSF-C660) (C660000 014)*; $2,073,604

FIROR, JOHN W; *NATIONAL CENTER FOR ATMOSPHERIC RESEARCH, NSF-C660 (C760000)*; 60 MONTHS $338,025

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS (03AWDS)*; $2,876

DEPARTMENT OF ARMY-CORPS OF ENGINEERS

COLES, R; *INTERAGENCY AGREEMENT FOR PROVIDING IN-PLANT INSPECTION (CA05600 001)*; $67

MATHERS, BRYANT; *INTERAGENCY AGREEMENT FOR INVESTIGATION, TESTING AND ANALYSIS OF THE CONCRETE IN THE NCAR BUILDING (CA05900 002)*; $934

MATHERS, BRYANT DR; *INTERAGENCY AGREEMENT FOR INVESTIGATION, TESTING AND ANALYSIS OF THE CONCRETE IN THE NCAR BUILDING (CA59000 001)*; 12 MONTHS $1,000

DEPARTMENT OF NAVY-AIR SYSTEMS COMMAND

TUTHILL, J R; *INTERAGENCY AGREEMENT FOR OVERHAUL OF T64-GE-10 ENGINE FROM DEHAVILLAND BUFFALO AIRCRAFT (UNDER CONTRACT NSF-C-660-NCAR) (CA16000 001)*; 12 MONTHS $14,000

KITT PEAK NATIONAL OBSERVATORY

ARIZONA

KITT PEAK NATIONAL OBSERVATORY

MAYALL, NICHOLAS U; *CONTRACT FOR THE MANAGEMENT, OPERATION, AND MAINTENANCE OF THE KITT PEAK NATIONAL OBSERVATORY, TUCSON, ARIZONA (C400000 017)*; 12 MONTHS $1,800,000

GOLDBERG, LEO; *CONTRACT FOR THE MANAGEMENT, OPERATION, AND MAINTENANCE OF THE KITT PEAK NATIONAL OBSERVATORY (C400000 018)*; $5,515,000

GOLDBERG, LEO; *OPERATION AND MAINTENANCE OF THE KITT PEAK NATIONAL OBSERVATORY, NSF-C400 (C400000 019)*; $385,000

CERRO TOLOLO INTER-AMERICAN OBSERVATORY

CERRO TOLOLO INTER-AMERICAN OBSERVATORY

MAYALL, NICHOLAS U; *CONTRACT FOR THE MANAGEMENT, OPERATION, AND MAINTENANCE OF THE CERRO TOLOLO INTER-AMERICAN OBSERVATORY, LA SERENA, CHILE (C525000 014)*; 12 MONTHS $600,000

GOLDBERG, LEO; *CONTRACT FOR THE MANAGEMENT, OPERATION, AND MAINTENANCE OF THE CERRO TOLOLO INTER-AMERICAN OBSERVATORY, LA SERENA, CHILE (C525000 015)*; $1,775,000

GOLDBERG, LEO; *OPERATION AND MAINTENANCE OF THE CERRO TOLOLO INTER-AMERICAN OBSERVATORY. LA SERENA, CHILE, NSF-C525 (C525000 016)*; $125,000

NAT'L ASTRONOMY AND IONOSPHERIC CNTR AT ARECIBO

DISTRICT OF COLUMBIA

DEPARTMENT OF NAVY-NAVAL FACILITIES ENGINEERING COMMAND

DORAN, MAURICE P; *PROCUREMENT OF ELECTRIC SERVICES FOR THE NATIONAL ASTRONOMY AND IONOSPHERE CENTER AT ARECIBO, PUERTO RICO, CONTRACT NSF-C600 (CA21000 003)*; 12 MONTHS $52,000

PUERTO RICO

ARECIBO OBSERVATORY

HAGFORS, TOR; *OPERATION AND MAINTENANCE OF NATIONAL ASTRONOMY AND IONOSPHERE CENTER AT ARECIBO UNDER NSF-C600 (C600000 014)*; $3,800,000

HAGFORS, TOR; *OPERATION AND MAINTENANCE OF NATIONAL ASTRONOMY AND IONOSPHERE CENTER AT ARECIBO UNDER NSF-C600 (C600000 015)*; $123,000

HAGFORS, TORS; *OPERATION AND MAINTENANCE OF NATIONAL ASTRONOMY AND IONOSPHERE CENTER AT ARECIBO UNDER NSF-C600 (C600000 016)*; $687,500

DEPARTMENT OF AIR FORCE-RAMEY AIR FORCE BASE

CLARK, KENNETH B; *SERVICES TO PERSONNEL AND DEPENDENTS RESIDENT AT ARECIBO, NSF-C600 (CA66000)*; 60 MONTHS $25,000

1973 SOLAR ECLIPSE COORDINATION

COLORADO

NATIONAL CENTER FOR ATMOSPHERIC RESEARCH

FIROR, JOHN W; *1973 SOLAR ECLIPSE COORDINATION - NATIONAL CENTERS FOR ATMOSPHERIC RESEARCH, NSF-C660* (C660000 007); $44,000

FIROR, JOHN W; *1973 SOLAR ECLIPSE COORDINATION - NATIONAL CENTERS FOR ATMOSPHERIC RESEARCH, NSF-C660* (C660000 012*); $2,173

FIROR, JOHN W; *1973 SOLAR ECLIPSE COORDINATION - NATIONAL CENTER FOR ATMOSPHERIC RESEARCH, NSF-C760* (C660000 017); $2,200

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS* (02AWDS); $2,303

MARYLAND

NONE; *OTHER PROGRAM AWARDS* (03AWDS); $2,315

NEW YORK

NONE; *OTHER PROGRAM AWARDS* (01AWDS); $285

VIRGINIA

NONE; *OTHER PROGRAM AWARDS* (04AWDS); $1,844

NATIONAL, INTERNATIONAL, AND SPECIAL RESEARCH PROGRAMS

SPECIAL PROJECTS

NONE; *OTHER PROGRAM AWARDS* (*01AWDS*); $8,000

ANTARCTIC RESEARCH PROGRAMS

SCIENCE PROGRAMS

ALASKA

UNIVERSITY OF ALASKA

HESSLER, V P, AND HEACOCK, R R; *EXTRALOW FREQUENCY STUDIES AT THE GEOMAGNETIC POLES* (*V032925*); 12 MONTHS $32,900

UNIVERSITY OF ALASKA-GEOPHYSICAL INSTITUTE

WESCOTT, EUGENE M, AND NIELSEN, HANS C S; *INVESTIGATION OF AURORAL CONJUGACY* (*V028809 001**); 6 MONTHS $19,900

AKASOFU, SYUN-ICHI; *A STUDY OF THE MIDDAY AURORAS AT THE SOUTH POLE STATION* (*V029355 001*); 12 MONTHS $19,200

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

CAMERON, ROY E; *ECOLOGY OF ANTARCTIC MICROORGANISMS* (*C585000 005*); $25,000

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY

MASLEY, A J; *CONTRACT FOR OPERATION OF THE CONJUGATE POINT RIOMETER PROGRAM* (*C393000 006**); 12 MONTHS $23,044

SAN DIEGO NATURAL HISTORY MUSEUM

JEHL, JOSEPH R JR; *COMPARATIVE STUDIES OF OCEANIC BIRDS IN CHILE AND ARGENTINA IN THE AUSTRAL WINTER* (*V032739*); 24 MONTHS $20,300

STANFORD RESEARCH INSTITUTE

BATES, HOWARD F, AND HODGES, JAMES C; *POLAR AURORAL RADAR INVESTIGATION AT MCMURDO BASE* (*V031608*); 12 MONTHS $48,600

STANFORD UNIVERSITY

HELLIWELL, R A; *VLF PROGRAM IN THE ANTARCTIC* (*V028840 X01*); 12 MONTHS $225,200

UNIVERSITY OF CALIFORNIA, DAVIS

STRONG, FRANK E; *BIOENERGETICS OF AN ANTARCTIC ECOSYSTEM* (*V024329 001*); 12 MONTHS $22,600

LIPPS, JERE H; *BIOLOGY AND ECOLOGY OF SHALLOW-WATER BENTHIC FORAMINIFERA, ANTARCTIC PENINSULA* (*V031162*); 24 MONTHS $39,800

UNIVERSITY OF CALIFORNIA, LOS ANGELES

SLICHTER, LOUIS B, AND KNOPOFF, LEON; *RESEARCH IN SOLID-EARTH GEOPHYSICS AT SOUTH POLE* (*V028011 001*); 12 MONTHS $86,800

KNOPOFF, LEON; *SEISMOLOGICAL STUDIES IN ANTARCTICA* (*V031816*); 14 MONTHS $45,000

UNIVERSITY OF SOUTHERN CALIFORNIA

BANDY, ORVILLE L; *ANTARCTIC PALEOCEANOGRAPHY AND PALEOBATHYMETRY* (*V025749 002*); 12 MONTHS $15,200

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCRIPPS INSTITUTION OF OCEANOGRAPHY

ELSNER, ROBERT W; *TEMPERATURE REGULATION IN THE NEWBORN WEDDELL SEAL, 'LEPTONYCHOTES WEDDELLI'* (*V023899 001*); 12 MONTHS $34,200

KOOYMAN, GERALD L; *BIOLOGY OF DEEP DIVING IN ANTARCTIC BIRDS AND MAMMALS* (*V024236 002*); 12 MONTHS $40,600

HOLM-HANSEN, O, CARLUCCI, ANGELO F, AND WILLIAMS, PETER M; *THE DISTRIBUTION, BIOCHEMICAL ACTIVITY, AND CHEMICAL COMPOSITION OF PLANKTON IN ANTARCTIC WATERS* (*V027110 001*); 12 MONTHS $34,000

DAYTON, PAUL K; *BIOLOGICAL INTERACTIONS STRUCTURING ANTARCTIC MARINE COMMUNITIES* (*V032511*); 24 MONTHS $53,300

FOSTER, THEODORE D; *WEDDELL SEA OCEANOGRAPHIC INVESTIGATION* (*V034905*); 12 MONTHS $125,100

DEPARTMENT OF NAVY-NAVAL UNDERSEA RESEARCH & DEVELOPMENT CENTER

CUMMINGS, WILLIAM C; *BIOACOUSTICS AND RELATED BEHAVIOR OF SUBANTARCTIC CETACEANS* (*AG00261 001*); $25,700

LOCKHEED AIRCRAFT CORPORATION-LOCKHEED RESEARCH LABORATORY

MENDE, S B; *SOUTH POLE PHOTOMETRIC EXPERIMENT* (*C659000 001*); 13 MONTHS $57,000

COLORADO

COLORADO SCHOOL OF MINES

HADSELL, FRANK; *SUPPORT OF GEOPHYSICAL STUDIES* (*V032738*); 12 MONTHS $5,300

UNIVERSITY OF COLORADO

LEMASURIER, WESLEY E; *LABORATORY STUDY OF VOLCANIC ROCKS FROM MARIE BYRD LAND, ANTARCTICA* (*V025328 001*); 12 MONTHS $10,000

DISTRICT OF COLUMBIA

GEOLOGICAL SURVEY

RADLINSKI, WM A; *PROGRAM FOR ANTARCTIC MAPPING OPERATIONS* (*AG00177 003*); 12 MONTHS $250,000

MCKELVEY, VINCENT E; *GEOLOGY OF THE LASSITER COAST, ANTARCTICA* (*AG00187 002*); 12 MONTHS $76,100

MCKELVEY, VINCENT; *GEOLOGY OF THE LASSITER COAST, ANTARCTICA* (*AG00187 003*); 12 MONTHS $80,300

HENDRICKS, E L; *GEOLOGICAL INVESTIGATIONS IN THE PENSACOLA MOUNTAINS, ANTARCTICA* (*AG00238 001*); 12 MONTHS $30,400

BEHRENDT, JOHN C; *AEROMAGNETIC AND GRAVIMETRIC DATA REDUCTION OF THE PENSACOLA MOUNTAINS AREA, ANTARCTICA* (*AG00254 001*); 12 MONTHS $10,400

SMITHSONIAN INSTITUTION

FEHLMANN, H ADAIR; *PARTICIPATION IN USARP EXPEDITIONS* (*A004105 003*); 12 MONTHS $30,400

FEHLMANN, H ADAIR; *COOPERATIVE SYSTEMATICS STUDIES IN ANTARCTIC BIOLOGY* (*V031557*); 12 MONTHS $42,800

DEPARTMENT OF ARMY-CORPS OF ENGINEERS

NICOLETTI, FRANK T; *STANDARD GEOGRAPHIC NOMENCLATURE IN THE ANTARCTIC FOR UNITED STATES USE* (*CA14000 004*); 12 MONTHS $20,300

FLORIDA

FLORIDA STATE UNIVERSITY

DEVORE, GEORGE W; *CONTRACT FOR CURATORSHIP OF 'ELTANIN' CORE COLLECTION* (*C564000 003*); 12 MONTHS $56,100

OSMOND, J K; *GEOCHRONOLOGY OF USNS 'ELTANIN' CORES FROM THE SOUTHERN OCEAN* (*V025786 001*); 12 MONTHS $7,200

FRAKES, LAWRENCE A; *MARINE GEOLOGY OF THE SOUTHERN OCEAN (V027549 001)*; 12 MONTHS $83,100

FRAKES, LAWRENCE A; *MARINE GEOLOGY OF THE SOUTHERN OCEAN (V027549 002)*; $3,400

IDAHO

UNIVERSITY OF IDAHO

ERICKSON, ALBERT W; *POPULATION STUDIES OF ANTARCTIC SEALS- CENSUS AND REPRODUCTIVE BIOLOGY (V030270)*; 24 MONTHS $97,800

ILLINOIS

NORTHERN ILLINOIS UNIVERSITY

MCGINNIS, LYLE D; *CONTRACT FOR - SUPPORT OF DRY VALLEY DRILLING PROJECT (C642000 001)*; 6 MONTHS $6,900

KANSAS

WICHITA STATE UNIVERSITY

TASCH, PAUL; *CONCHOSTRACAN PALEONTOLOGY OF THE CENTRAL TRANSANTARCTIC MOUNTAINS, ANTARCTICA (V034028)*; 18 MONTHS $3,500

MARYLAND

JOHNS HOPKINS UNIVERSITY

SLADEN, WILLIAM J L; *GRADUATE STUDIES IN ECOLOGY AND COMPARATIVE BEHAVIOR (A015613 001)*; 8 MONTHS $6,200

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

REID, GEORGE C; *ERL ANTARCTIC RIOMETER DATA PROGRAM, 1972 (AG00139 003)*; 12 MONTHS $21,700

RUBIN, M J, AND HESS, W N; *GEOPHYSICAL MONITORING PROGRAM IN ANTARCTICA (GMA) (AG00267 001*)*; 12 MONTHS $261,500

FERGUSON, EARL E; *U.S. UPPER ATMOSPHERE GEOPHYSICS RESEARCH PROGRAMS AT VOSTOK (AG00283)*; 12 MONTHS $6,100

UNIVERSITY OF MARYLAND, COLLEGE PARK

ROSENBERG, THEODORE J; *ENERGETIC ELECTRON PRECIPITATION NEAR THE PLASMAPAUSE (V028841 X01)*; 12 MONTHS $71,500

ZOLLER, WILLIAM H, AND DUCE, ROBERT A; *TRACE METALS AND HALOGENS IN THE ANTARCTIC ATMOSPHERE (V033335*)*; 12 MONTHS $1,600

MASSACHUSETTS

CLARK UNIVERSITY

GANNUTZ, THEODORE P; *PHOTOSYNTHESIS AND RESPIRATION OF ANTARCTIC LICHENS (A013295 001)*; $2,600

MICHIGAN

MICHIGAN STATE UNIVERSITY

IMSHAUG, HENRY A; *TERRESTRIAL CRYPTOGAMS OF THE SUBANTARCTIC (V026615 001)*; 12 MONTHS $48,700

UNIVERSITY OF MICHIGAN

WIIN-NIELSEN, AKSEL; *SUPPORT OF METEOROLOGICAL STUDIES (V027091 001)*; 12 MONTHS $6,700

MINNESOTA

UNIVERSITY OF MINNESOTA

SINIFF, DONALD B; *POPULATION STUDIES OF ANTARCTIC SEALS-MODELING AND REGULATORY BIOLOGY (V024327 001)*; 24 MONTHS $100,000

SINIFF, DONALD B; *STATUS AND POPULATION DYNAMICS OF ANTARCTIC SEALS (V024327 002)*; 12 MONTHS $26,600

NEBRASKA

UNIVERSITY OF NEBRASKA AT LINCOLN

ZUMBERGE, JAMES H; *CONTRACT FOR - COORDINATION OF ROSS ICE SHELF PROJECT (C726000)*; 41 MONTHS $4,570

NEVADA

UNIVERSITY OF NEVADA SYSTEM OFFICE

WARBURTON, JOSEPH A; *ANALYSIS FOR WEATHER MODIFICATION CHEMICALS IN ANTARCTIC ICE (V027198 001)*; 12 MONTHS $40,900

NEW HAMPSHIRE

DARTMOUTH COLLEGE

MORGAN, MILLETT G; *VLF AND ULF CONJUGATE INVESTIGATION OF THE PLASMAPAUSE (V025327 001*)*; 12 MONTHS $18,200

DEPARTMENT OF ARMY-COLD REGIONS RESEARCH AND ENGINEERING LAB

MOCK, S J, AND COLBECK, S C; *GEOPHYSICAL AND GLACIOLOGICAL FIELD//INVESTIGATIONS IN GREENLAND (AG00378*)*; 12 MONTHS $23,900

NEW MEXICO

ATOMIC ENERGY COMMISSION-ALBUQUERQUE OPERATIONS OFFICE-AEC

OFTE, DON; *STUDY OF A SEASONAL ASYMMETRY IN AURORAL CONJUGACY (AG00276*)*; 12 MONTHS $5,000

NEW YORK

AMERICAN GEOGRAPHICAL SOCIETY

BUSHNELL, VIVIAN C; *ANTARCTIC MAP FOLIO SERIES (C293000 012)*; 12 MONTHS $20,000

PINTHER, MIKLOS; *MAINTAIN AN UP-TO-DATE REVISION OF THE MAP OF ANTARCTICA, SCALE 1:3,000,000 (C441001 006)*; 12 MONTHS $2,000

COLUMBIA UNIVERSITY-LAMONT-DOHERTY GEOLOGICAL OBSERVATORY

DALZIEL, IAN W D; *THE STRUCTURE AND TECTONIC HISTORY OF THE NORTHERN LIMB OF THE SCOTIA ARC (V019543 001)*; 8 MONTHS $41,800

GORDON, ARNOLD L; *COLLECTION, PROCESSING AND ANALYSIS OF PHYSICAL OCEANOGRAPHIC DATA IN ANTARCTIC WATERS (V026230 001)*; 12 MONTHS $154,300

HAYES, DENNIS, AND EWING, MAURICE; *GEOPHYSICAL STUDIES FROM 'ELTANIN' IN 1972 (V027472 001)*; 5 MONTHS $101,000

NORTH CAROLINA

DUKE UNIVERSITY

SEARLES, RICHARD B; *AN ECOLOGICAL AND SYSTEMATIC STUDY OF THE BENTHIC MARINE ALGAE OF SOUTHERN CHILE (V031766)*; 24 MONTHS $45,200

OHIO

OHIO STATE UNIVERSITY

DALRYMPLE, PAUL C; *ANALYSIS OF PLATEAU MICROMETEOROLOGICAL TOWER DATA (V024303 001)*; 12 MONTHS $42,300

WHILLANS IAN M; *STUDY OF ICE SHEET DYNAMICS NORTHEAST OF BYRD STATION (V026137 X01)*; 12 MONTHS $39,600

YOUNG, STEVEN B; *SYSTEMATICS OF PHYTOGEOGRAPHY OF VASCULAR PLANTS OF THE SOUTH POLAR REGIONS (V026139 001)*; 12 MONTHS $20,200

COATES, DONALD A, AND ELLIOT, DAVID H; *GEOLOGY OF THE BEARDMORE GLACIER-SCOTT, GLACIER REGION, TRANSANTARCTIC MOUNTAINS, ANTARCTICA (V026652 001)*; 12 MONTHS $18,600

BULL, COLIN; *SUPPORT OF GEOLOGICAL STUDIES (FOR ARMANDO FASOLA) (V027459 001)*; 12 MONTHS $8,200

ORHEIM, OLAV; *STUDIES OF GLACIERS IN THE SOUTH SHETLAND ISLANDS (V028895 001)*; 12 MONTHS $2,700

RUNDLE, ARTHUR S; *ANALYSIS OF GLACIOLOGY AND METEOROLOGY OF ANVERS ISLAND, ANTARCTICA (V032873)*; 12 MONTHS $10,500

HAMILTON, WAYNE L; *DUST CONCENTRATIONS IN BYRD CORE COMPARED WITH CLIMATE OVER LAST 100,000 YEARS (V032899)*; 14 MONTHS $30,000

OKLAHOMA

OKLAHOMA MEDICAL RESEARCH FOUNDATION

SHURLEY, JAY T; *A STUDY OF THE PSYCHOPHYSIOLOGY OF SLEEP AND DREAMING IN ANTARCTICA (A018698 001)*; 12 MONTHS $20,000

OREGON

OREGON STATE UNIVERSITY

BYRNE, JOHN V; *SUPPORT OF OCEANOGRAPHIC STUDIES (V031157)*; 12 MONTHS $5,400

OREGON STATE UNIVERSITY-MARINE SCIENCE CENTER

HEDGPETH, JOEL W; *TIDAL ZONE ECOLOGY AT PALMER STATION, ANVERS ISLAND, ANTARCTICA (A018348 001)*; $1,000

PENNSYLVANIA

FRANKLIN INSTITUTE-BARTOL RESEARCH FOUNDATION

POMERANTZ, MARTIN A; *INVESTIGATIONS OF COSMIC RAY INTENSITY VARIATIONS IN ANTARCTICA (V028839 X01)*; 12 MONTHS $107,200

RHODE ISLAND

UNIVERSITY OF RHODE ISLAND

KENNETT, JAMES P; *MICROPALEONTOLOGICAL AND PALEOENVIRONMENTAL STUDIES OF MARINE SEDIMENTS FROM THE SOUTHERN OCEAN (V028305 001)*; 12 MONTHS $20,500

UNIVERSITY OF RHODE ISLAND-GRADUATE SCHOOL OF OCEANOGRAPHY

WATKINS, N D; *STUDIES OF THE PALEOMAGNETISM OF 'ELTANIN' DEEP-SEA SEDIMENTARY CORES (V025400 001)*; 12 MONTHS $39,300

WATKINS, NORMAN D; *VOLCANOLOGY, PETROLOGY, GEOCHEMISTRY AND PALEOMAGNETISM OF ST. PAUL AND NEW AMSTERDAM ISLANDS, SOUTHEASTERN INDIAN OCEAN (V032480)*; 12 MONTHS $12,000

SOUTH CAROLINA

UNIVERSITY OF SOUTH CAROLINA

CONOLLY, JOHN R; *SEDIMENTATION PATTERNS IN THE SOUTHERN OCEAN BETWEEN AUSTRALIA AND ANTARCTICA (V028103 001)*; 12 MONTHS $12,000

TEXAS

TEXAS A & M UNIVERSITY

EL-SAYED, SAYED Z; *PHYTOPLANKTON PRODUCTION AND ITS ROLE IN THE STUDY OF THE ANTARCTIC MARINE ECOSYSTEM (V025826 001)*; 12 MONTHS $75,400

EL-SAYED, SAYED Z; *PHYTOPLANKTON PRODUCTION AND ITS ROLE IN THE STUDY OF THE ANTARCTIC MARINE ECOSYSTEM (V025826 002)*; $4,300

BOTTINO, NESTOR R; *LIPIDS OF ANTARCTIC MARINE ORGANISMS (V030413)*; 24 MONTHS $52,100

TEXAS TECH UNIVERSITY

WADE, F ALTON; *THE GEOLOGY OF MARIE BYRD AND ELLSWORTH LANDS, ANTARCTICA (V022901 001)*; 12 MONTHS $20,000

STRANDTMANN, R W; *POPULATION DYNAMICS OF ANTARCTIC TERRESTRIAL ARTHROPODS (V024359 001)*; 12 MONTHS $26,100

UTAH

UTAH STATE UNIVERSITY

MULLER-SCHWARZE, DIETLAND; *ANTI-PREDATOR AND SOCIAL BEHAVIOR IN ADELIE PENGUINS (A023494 001)*; 12 MONTHS $38,100

MULLER-SCHWARZE, D; *ANTI-PREDATOR AND SOCIAL BEHAVIOR IN ADELIE PENGUINS (V033215)*; 12 MONTHS $42,200

VIRGINIA

ROANOKE COLLEGE

THOMPSON, JESSE C JR; *ECOLOGY AND SYSTEMATICS OF CILIATED PROTOZOA ON THE ANTARCTIC PENINSULA (A018495 001)*; 2 MONTHS $5,700

VIRGINIA POLYTECHNIC INSTITUTE

PARKER, BRUCE C; *LIMNOLOGICAL INVESTIGATIONS OF ALGAL COMMUNITIES (A016768 002)*; 6 MONTHS $13,900

PATERSON, ROBERT A; *FRESH WATER AND MARINE ANTARCTIC FUNGI (PLANKTON) PARASITES AND AQUATIC SAPROPHYTES (V033184)*; 12 MONTHS $24,300

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

BENTLEY, CHARLES R; *ANALYSIS OF ANTARCTIC GEOPHYSICAL DATA (V020744 001)*; 12 MONTHS $28,700

SCHWERDTFEGER WERNER; *TOPICS OF ANTARCTIC METEOROLOGY (V028810 001)*; 12 MONTHS $37,300

CLAPP, JAMES L, AND BENTLEY, CHARLES R; *ANALYSIS OF ROOSEVELT ISLAND STRAIN DATA (V032872)*; 12 MONTHS $15,600

WYOMING

UNIVERSITY OF WYOMING

HOFMANN, DAVID J; *MEASUREMENT OF SUBMICRON PARTICULATE MATTER IN THE ANTARCTIC STRATOSPHERE (V028077 001)*; 12 MONTHS $38,400

HOUSTON, R S, AND SMITHSON, S B; *GEOLOGICAL AND GEOPHYSICAL STUDIES IN SOUTH VICTORIA LAND, ANTARCTICA (V033308)*; 12 MONTHS $5,000

FIELD SUPPORT

CALIFORNIA

HOLMES AND NARVER INC

RICKEY, ROY; *CONTRACT FOR SCIENTIFIC SUPPORT ACTIVITIES FOR THE U.S. ANTARCTIC RESEARCH PROGRAM (C571000 008)*; $10,673

RICKEY, ROY; *SCIENTIFIC SUPPORT ACTIVITIES FOR THE U.S. ANTARCTIC RESEARCH PROGRAM (C571000 009)*; 12 MONTHS $493,300

STANFORD UNIVERSITY

LUSIGNAN, BRUCE B; *DESIGN AND PROTOTYPE FABRICATION OF AN AUTOMATIC UNMANNED ANTARCTIC GEOPHYSICAL LABORATORY (C582000 005)*; 12 MONTHS $148,000

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS (01AWDS)*; $194

AMERICAN EXPRESS COMPANY

MUMMERY, DESMAN L; *TRANSPORTATION SERVICES RELATED TO NON-GOVERNMENT TRAVEL IN CONNECTION WITH USARP (C334000 013)*; 12 MONTHS $100,000

HARBRIDGE HOUSE INC

GARRETT, W H; *ENGINEERING STUDY OF THE MANNING OF THE USNS ELTANIN (C728000)*; 3 MONTHS $35,334

DEPARTMENT OF NAVY-MILITARY SEA TRANSPORT SERVICE

GRALLA, ARTHUR R; *OPERATION OF SHIP USNS ELTANIN (CA13000 008)*; 3 MONTHS $400,000

GRALLA, ARTHUR R; *OPERATION OF SHIP USNS ELTANIN (CA13000 009)*; 9 MONTHS $1,300,000

DEPARTMENT OF NAVY-NAVAL SHIP ENGINEERING CENTER

DIEHL, WILLIAM F; *SERVICES IN SUPPORT OF USNS ELTANIN SATELLITE NAVIGATION SYSTEM (CA05000 003)*; 12 MONTHS $20,000

DEPARTMENT OF NAVY-NAVY SUBSISTENCE OFFICE

VOGEL, R E; *CONTRACT FOR RATIONS FURNISHED USARP PERSONNEL (CA03000 004)*; 12 MONTHS $50,000

MARYLAND

HYDROSPACE RESEARCH CORPORATION

GAY, SHELTON M JR; *SUPPORT SERVICES FOR THE UNITED STATES ANTARCTIC RESEARCH PROGRAM (USARP) R/V HERO/PALMER STATION RESEARCH SYSTEM (C655000 001)*; 12 MONTHS $470,978

RMC INC

DAY, CORNELIUS; *CONTRACT FOR ANALYSIS OF THE U.S. PROGRAM IN ANTARCTICA (C681000)*; 8 MONTHS $99,987

NEW HAMPSHIRE

DEPARTMENT OF ARMY-COLD REGIONS RESEARCH AND ENGINEERING LAB

HANSEN, B LYLE; *CORE DRILLING IN ANTARCTICA- AN ENGINEERING STUDY (CA00064)*; 12 MONTHS $49,300

LANGWAY, CHESTER C JR; *OPERATION OF THE CENTRAL ICE CORE STORAGE FACILITY (CA23000 002)*; 12 MONTHS $20,034

NEW JERSEY

ALPINE GEOPHYSICAL ASSOCIATES INC

SMOLEN, WALTER; *CONTRACT FOR FURNISHING OF SERVICES IN SUPPORT OF RESEARCH PROGRAMS CONDUCTED ABOARD THE USNS 'ELTANIN' (C598000 005)*; 3 MONTHS $42,000

SMOLEN, WALTER; *CONTRACT FOR FURNISHING OF SERVICES IN SUPPORT OF RESEARCH PROGRAMS ABOARD THE USNS ELTAIN (C598000 006)*; 12 MONTHS $461,402

POLAR INFORMATION SERVICE

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS (16AWDS)*; $14,858

AMERICAN GEOPHYSICAL UNION

SPILHAUS, A F JR; *PRODUCTION OF AN ENGLISH EDITION OF SOVIET ANTARCTIC EXPEDITION INFORMATION BULLETIN, NUMBERS 79-90 (V032923)*; 24 MONTHS $23,000

LIBRARY OF CONGRESS

THURONYI, GEZA; *ABSTRACTING AND INDEXING SERVICE FOR CURRENT ANTARCTIC LITERATURE (CA30000 001)*; 12 MONTHS $105,100

SMITHSONIAN INSTITUTION

LANDRUM, BETTY J; *RECORDING OF DATA FOR SPECIMENS COLLECTED DURING THE U.S. ANTARCTIC PROGRAM (C494000 007)*; 12 MONTHS $55,539

FEHLMANN, H A; *CONTRACT FOR SORTING OF COLLECTIONS FROM THE U. S. ANTARCTIC RESEARCH PROGRAM (USARP) (C495000 007)*; 12 MONTHS $95,670

FEHLMANN, H A; *PROCESSING OF USARP ROCK SAMPLES FROM THE SOUTHERN OCEAN (C553000 006)*; 12 MONTHS $20,300

MARYLAND

NONE; *OTHER PROGRAM AWARDS (04AWDS)*; $492

VIRGINIA

NONE; *OTHER PROGRAM AWARDS (01AWDS)*; $25

ADVISORY SERVICES

DISTRICT OF COLUMBIA

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

DEGOES, LOUIS; *TASK ORDER FOR COMMITTEE ON POLAR RESEARCH (C310036 011)*; 12 MONTHS $94,000

DERBYSHIRE, G A; *COMMITTEE ON POLAR RESEARCH/ARCTIC ASSESSMENT GROUP (C310036 012)*; 6 MONTHS $30,000

ANTARCTIC LOGISTIC SUPPORT--U.S. NAVY

CALIFORNIA

BECHTAL INCORPORATED

SANDERS, WILLIAM; *ENGR. DESIGN AND ANALYTICAL SERVICES-U.S. PROGRAM IN ANTARCTICA* (*C707000*); 6 MONTHS $494,000

HOLMES AND NARVER INC

RICKEY, ROY; *SCIENTIFIC SUPPORT ACTIVITIES FOR THE U.S. ANTARCTIC RESEARCH PROGRAM* (*C571000 010*); 6 MONTHS $24,000

UNIVERSITY OF CALIFORNIA, SAN DIEGO

AXFORD, W IAN, AND CHIVERS, H J A; *IONOSPHERE INVESTIGATION FROM UNMANNED GEOPHYSICAL OBSERVATORIES* (*V031828*); 12 MONTHS $90,000

DISTRICT OF COLUMBIA

WESTERN UNION INTERNATIONAL INC

PARSONS, ARTHUR E; *SATELLITE SERVICES FOR THE UNMANNED GEOPHYSICAL OBSERVATORY* (*C730000*); 10 MONTHS $88,800

DEPT. OF DEFENSE-DEPARTMENT OF DEFENSE

MCCUDDIN, LEO B; *LOGISTIC SUPPORT OF THE UNITED STATES PROGRAM IN ANTARCTICA* (*CA00055 004*); 9 MONTHS $13,306,000

WELCH, DAVID F; *LOGISTIC SUPPORT OF THE UNITED STATES PROGRAM IN ANTARCTICA* (*CA55000 001*); 1 MONTHS $3,000,000

SWINBURNE, H W; *LOGISTIC SUPPORT OF THE UNITED STATES PROGRAM IN ANTARCTICA* (*CA55000 002*); 1 MONTHS $1,000,000

MCCUDDIN, LEO B; *LOGISTIC SUPPORT OF THE UNITED STATES PROGRAM IN ANTARCTICA* (*CA55000 003*); 1 MONTHS $1,000,000

MARYLAND

UNIVERSITY OF MARYLAND, COLLEGE PARK

ZOLLER, WILLIAM H, AND DUCE, ROBERT A; *TRACE METALS AND HALOGENS IN THE ANTARCTIC ATMOSPHERE* (*V033335**); 12 MONTHS $45,300

MINNESOTA

E J LONGYEAR COMPANY

LINDELOF, LEN; *DRILLING RIG FOR THE DRY VALLEY DRILLING PROJECT* (*C735000*); 10 MONTHS $200,000

WASHINGTON

UNIVERSITY OF WASHINGTON

LIEMOHN, HAROLD B, AND HELMS, WARD J; *A GEOMAGNETIC MICROPULSATION EXPERIMENT FOR THE ANTARCTIC UNMANNED GEOPHYSICAL OBSERVATORY* (*V031865*); 12 MONTHS $51,900

ARCTIC RESEARCH PROGRAMS

SCIENCE PROGRAMS

ALASKA

UNIVERSITY OF ALASKA

WEST, GEORGE C; *THE STRUCTURE AND FUNCTION OF THE TUNDRA ECOSYSTEM* (*V029342 X02**); 12 MONTHS $414,600

WEST, GEORGE C; *THE STRUCTURE AND FUNCTION OF THE TUNDRA ECOSYSTEM* (*V029342 001*); $29,700

FISCHER, VICTOR; *MAN IN THE ARCTIC PROGRAM* (*V033198*); 12 MONTHS $100,000

UNIVERSITY OF ALASKA-GEOPHYSICAL INSTITUTE

WILSON, CHARLES R; *COLLABORATIVE RESEARCH IN ACOUSTIC RADAR INVESTIGATION OF ARCTIC RADIATION INVERSIONS IN ICE FOG* (*V027697 001*); 12 MONTHS $65,200

WESCOTT, EUGENE M, AND NIELSEN, HANS C S; *INVESTIGATION OF AURORAL CONJUGACY* (*V028809 001**); 6 MONTHS $19,900

CALIFORNIA

CALIFORNIA STATE UNIVERSITY, SAN DIEGO

MILLER, PHILIP C, COLLIER, BOYD D, AND MELCHIOR, HERBERT R; *MODELING OF PRIMARY PRODUCERS AND RELATED STUDIES UNDER TUNDRA BIOME RESEARCH* (*V029345 X01*); 12 MONTHS $35,000

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY

MASLEY, A J; *CONTRACT FOR OPERATION OF THE CONJUGATE POINT RIOMETER PROGRAM* (*C393000 006**); 12 MONTHS $27,872

UNIVERSITY OF CALIFORNIA, BERKELEY

GERSPER, PAUL L, AND PITELKA, FRANK A; *POPULATION STUDIES OF THE BROWN LEMMING, BIOENERGETICS, SOCIAL ORGANIZATION, AND HABITAT UTILIZATION OF THE LAPLAND LONGSPUR, SOIL-PLANT NUTRIENT INTERACTIONS IN TUNDRA ECOSYSTEMS* (*V029349 X01*); 12 MONTHS $45,200

UNIVERSITY OF CALIFORNIA, DAVIS

GODDARD, WILSON B; *AERODYNAMIC DETERMINATION OF SHEAR-STRESS OVER AND UNDER ARCTIC PACK ICE* (*V029050 001*); 12 MONTHS $15,100

UNIVERSITY OF CALIFORNIA, SAN DIEGO

AXFORD, W IAN, AND CHIVERS, HUGH J A; *AN INVESTIGATION OF THE COMPOSITION OF AURORAL PRIMARY IONS* (*V025402 001*); 12 MONTHS $67,500

COLORADO

UNIVERSITY OF COLORADO

BARRY, ROGER G, AND JACOBS, JOHN D; *ENERGY BUDGET STUDIES IN RELATION TO FAST-ICE BREAKUP PROCESSES IN DAVIS STRAIT* (*V028218 001*); 6 MONTHS $40,900

IVES, J D; *COLORADO ALPINE TUNDRA STUDIES* (*V029350 X01*); 12 MONTHS $70,700

UNIVERSITY OF DENVER

WILLIAMSON, P ROGER; *AN INVESTIGATION OF IONIZATION IN THE ATMOSPHERE BELOW 70 KM* (*V028898 001*); 12 MONTHS $49,000

CONNECTICUT

CENTER FOR THE ENVIRONMENT AND MAN INC

PANDOLFO, JOSEPH P; *SIMULATED METEOROLOGICAL VARIATION OVER ARCTIC COASTAL TUNDRA* (*V029348 X02*); 12 MONTHS $15,800

LORD, NORMAN W, AND PANDOLFO, JOSEPH P; *SIMULATIONS OF METEOROLOGICAL VARIATION OVER ARCTIC COASTAL TUNDRA UNDER PERTURBED PHYSICAL INTERFACE CONDITIONS* (*V029348 001*); $12,400

DISTRICT OF COLUMBIA

ARCTIC INSTITUTE OF NORTH AMERICA

SATER, JOHN E, AND MULLER, FRITZ; *BAFFIN BAY - NORTH WATER WINTER PILOT STUDY* (*C653000 001*); 6 MONTHS $13,440

SATER, JOHN E, AND MULLER, FRITZ; *A MESO-SCALE GLACIO-CLIMATOLOGICAL STUDY OF THE NORTH WATER AREA* (*C653000 002*); 18 MONTHS $63,935

ILLINOIS

UNIVERSITY OF ILLINOIS AT URBANA

BATZLI, GEORGE O; *POPULATION DETERMINATION AND NUTRIENT FLUX THROUGH LEMMINGS* (*V033852 X00*); 12 MONTHS $22,100

MARYLAND

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

DERR, VERNON; *COLLABORATIVE RESEARCH IN ACOUSTIC RADAR INVESTIGATION OF ARCTIC RADIATION INVERSIONS IN ICE FOG* (*AG00252 001*); 12 MONTHS $49,900

RUBIN, M J, AND HESS, W N; *GEOPHYSICAL MONITORING PROGRAM IN ANTARCTICA (GMA)* (*AG00267 001**); 12 MONTHS $9,000

NEW HAMPSHIRE

DARTMOUTH COLLEGE

MORGAN, MILLETT G; *VLF AND ULF CONJUGATE INVESTIGATION OF THE PLASMAPAUSE* (*V025327 001**); 12 MONTHS $29,700

DEPARTMENT OF ARMY-COLD REGIONS RESEARCH AND ENGINEERING LAB

LANGWAY, CHESTER C JR; *ANALYSIS OF THE DEEP ICE CORES AND SUB-ICE MATERIAL* (*AG00212 002*); 12 MONTHS $51,100

WEEKS, W F, HIBLER, W D, KOVACS, A, AND ACKLEY, S; *MESOSCALE STRAIN AND ICE MORPHOLOGY* (*AG00344*); 12 MONTHS $90,500

MOCK, S J, AND COLBECK, S C; *GEOPHYSICAL AND GLACIOLOGICAL FIELD/INVESTIGATIONS IN GREENLAND* (*AG00378**); 12 MONTHS $27,100

LANGWAY, C C JR, AND HANSEN, B L; *ICE CORE DRILLING, ICE CORE ANALYSIS AND GEOPHYSICAL INVESTIGATIONS IN GREENLAND* (*AG00394*); 18 MONTHS $52,500

BROWN, JERRY; *ANALYSIS OF STRUCTURE AND FUNCTION OF THE TUNDRA ECOSYSTEM* (*CA40000 001*); 6 MONTHS $20,000

NEW MEXICO

ATOMIC ENERGY COMMISSION-ALBUQUERQUE OPERATIONS OFFICE-AEC

OFTE, DON; *STUDY OF A SEASONAL ASYMMETRY IN AURORAL CONJUGACY* (*AG00276**); 12 MONTHS $5,000

NEW YORK

AMERICAN GEOGRAPHICAL SOCIETY

PINTHER, MIKLOS; *PREPARATION OF A MAP OF THE ARCTIC BASIN* (*C441004*); 12 MONTHS $53,124

STATE UNIVERSITY AT ALBANY

STROSS, RAYMOND G; *BIOLOGICAL RHYTHMS AND PRODUCTIVITY OF ARCTIC ZOOPLANKTON* (*V029347 X01*); 12 MONTHS $18,400

NORTH CAROLINA

DUKE UNIVERSITY

BILLINGS, W D; *ROOT GROWTH AND ROOT RESPIRATION IN TUNDRA SOILS AS AFFECTED BY TEMPERATURE (V033850 X00)*; 12 MONTHS $19,800

NORTH CAROLINA STATE UNIVERSITY AT RALEIGH

HOBBIE, JOHN E, AND STANLEY, DONALD W; *DEVELOPMENT OF MODELS OF PRIMARY PRODUCTIVITY OF BENTHIC ALGAE AND OF DECOMPOSITION OF ORGANIC MATERIAL BY MICROORGANISMS (V033853 X00)*; 12 MONTHS $26,700

OHIO

OHIO STATE UNIVERSITY

RUDOLPH, EMANUEL D, AND RASTORFER, JAMES R; *PRODUCTIVITY OF TUNDRA LICHENS IN THE PRUDHOE BAY REGION, PHYSIOLOGICAL ECOLOGY OF ARCTIC BRYOPHYTES (V033851 X00)*; 12 MONTHS $19,200

UNIVERSITY OF CINCINNATI

MILLER, MICHAEL C; *PRODUCTION AND DECOMPOSITION OF DISSOLVED AND PARTICULATE ORGANIC CARBON IN ARCTIC COASTAL PONDS (V033854 X00)*; 12 MONTHS $12,800

SOUTH DAKOTA

AUGUSTANA COLLEGE

TIESZEN, LARRY L; *PHOTOSYNTHESIS, ACCLIMATION AND ORGANIC NUTRIENT FLUX IN THE PRINCIPAL TUNDRA SPECIES AT BARROW, ALASKA (V029343 X01)*; 12 MONTHS $58,300

SIOUX FALLS COLLEGE

BIERLE, DONALD A; *DYNAMICS OF FRESHWATER MACROBENTHIC COMMUNITIES IN ARCTIC ALASKA PONDS AND LAKES (V029346 X02)*; 12 MONTHS $18,500

BIERLE, DONALD A; *DYNAMICS OF MACROBENTHIC COMMUNITIES IN ARCTIC ALASKA PONDS AND LAKES (V029346 001)*; $1,217

UTAH

UTAH STATE UNIVERSITY

CALDWELL, MARTYN M; *GAS EXCHANGE OF ALPINE TUNDRA SPECIES (V029353 X01)*; 12 MONTHS $21,400

VIRGINIA

VIRGINIA POLYTECHNIC INSTITUTE

BENOIT, ROBERT E, AND MILLER, ORSON K JR; *DECOMPOSER ACTIVITIES AND COMMUNITY STRUCTURE OF BACTERIA, YEASTS AND BASIDIOMYCETES IN ARCTIC TUNDRA (V029354 X01)*; 12 MONTHS $31,600

WASHINGTON

UNIVERSITY OF WASHINGTON

UNTERSTEINER, NORBERT; *DYNAMICS AND THERMODYNAMICS OF ARCTIC SEA ICE (V028807 001)*; 12 MONTHS $309,900

BUSINGER, J A; *DIRECT SHEAR STRESS MEASUREMENTS OVER THE ARCTIC PACK ICE (V032342)*; 12 MONTHS $37,900

FIELD SUPPORT

ALASKA

WELLER, GUNTER E; *OTHER PROGRAM AWARDS (01AWDS)*; 12 MONTHS $37,000

CALIFORNIA

LITTON INDUSTRIES INC-AERO PRODUCTS DIVISION

BURDICK, C D; *LEASE OF TWO PALLETIZED LTN-51 INERTIAL NAVIGATION (C663000 002)*; 2 MONTHS $22,280

BURDICK, C D; *INERTIAL NAVIGATION SYSTEMS CONTRACT FOR LEASE OF TWO PALLETIZED LTN-51 (C663000 003)*; 2 MONTHS $22,280

BURDICK, C D; *TWO INERTIAL NAVIGATION SYSTEMS (C737000*)*; 12 MONTHS $3,832

CANADA

DEPARTMENT OF ENERGY, MINES AND RESOURCES

ROOTS, E F; *CANADIAN AIR SUPPORT FOR PROJECT AIDJEX (CA83000)*; 27 MONTHS $29,000

DISTRICT OF COLUMBIA

DEPARTMENT OF NAVY

SETZ, WALTER; *INSTALLATION OF ANTENNAS FOR RADIO SOUNDING EQUIPMENT (CA49000 001)*; $72,000

SETZ, WALTER; *INSTALLATION OF ANTENNAS FOR RADIO SOUNDING EQUIPMENT (CA49000 002)*; 2 MONTHS $40,000

DEPARTMENT OF NAVY-OFFICE OF NAVAL RESEARCH

MCGREGOR, M RON; *LOGISTIC SUPPORT TO ARCTIC FIELD PROGRAMS (CA73000)*; 12 MONTHS $250,000

MARYLAND

ZWALLY, H JAY; *OTHER PROGRAM AWARDS (01AWDS)*; 24 MONTHS $54,600

RMC INC

DAY, CORNELIUS; *ANALYSIS OF THE U.S. PROGRAM IN ANTARCTICA (C681000 001)*; 1 MONTHS $7,113

OREGON

NEAL, VICTOR T; *OTHER PROGRAM AWARDS (01AWDS)*; 12 MONTHS $30,300

WASHINGTON

BJORNERT, ROLF P; *OTHER PROGRAM AWARDS (01AWDS)*; 12 MONTHS $30,600

UNIVERSITY OF WASHINGTON

UNTERSTEINER, NORBERT; *CONTRACT FOR PLANNING AND ORGANIZATION OF AN ARCTIC ICE DYNAMICS JOINT EXPERIMENT (C625000 004)*; 4 MONTHS $489,612

UNTERSTEINER, NORBERT; *PLANNING AND ORGANIZATION OF AN ARCTIC ICE DYNAMICS JOINT EXPERIMENT (C625000 005)*; 10 MONTHS $298,600

POLAR INFORMATION SERVICE

ALASKA

UNIVERSITY OF ALASKA

LUICK, JACK R; *FIRST INTERNATIONAL SYMPOSIUM ON REINDEER/CARIBOU RESEARCH (V032740)*; 6 MONTHS $10,000

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS (04AWDS)*; $5,561

AMERICAN GEOPHYSICAL UNION

SPILHAUS, A F JR; *PUBLICATION OF THE ANTARCTIC RESEARCH SERIES (N000055 004*)*; 12 MONTHS $13,000

ARCTIC INSTITUTE OF NORTH AMERICA

MARTNA, MARET HELGA; *ARCTIC BIBLIOGRAPHY PROJECT (V033100)*; 3 MONTHS $20,000

LIBRARY OF CONGRESS

THURONYI, GEZA; *PROTOTYPE POLAR BIBLIOGRAPHY SYSTEM (AG00371)*; 12 MONTHS $33,800

MARYLAND

NONE; *OTHER PROGRAM AWARDS (01AWDS)*; $300

VIRGINIA

NONE; *OTHER PROGRAM AWARDS (01AWDS)*; $29

OCEANOGRAPHIC FACILITIES AND SUPPORT

SHIP OPERATIONS

ALASKA

UNIVERSITY OF ALASKA-INSTITUTE OF MARINE SCIENCE

HOOD, D W; *CONTINUATION OF SUPPORT FOR OCEANOGRAPHIC VESSEL OPERATION (D031610)*; 12 MONTHS $132,900

CALIFORNIA

UNIVERSITY OF SOUTHERN CALIFORNIA

SAVAGE, JAY M; *SUPPORT OF THE RESEARCH VESSEL VELERO IV (D031560)*; 12 MONTHS $315,700

STANFORD UNIVERSITY-HOPKINS MARINE STATION

GILMARTIN, MALVERN; *SUPPORT OF RESEARCH VESSEL OPERATIONS (D031559)*; 6 MONTHS $100,000

GILMARTIN, MALVERN; *PHASE OUT SUPPORT OF THE R/V PROTEUS (D031559 001)*; 6 MONTHS $76,300

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCRIPPS INSTITUTION OF OCEANOGRAPHY

BENSON, ANDREW A, AND GAREY, WALTER F; *SUPPORT FOR PHYSIOLOGICAL RESEARCH SHIP R/V ALPHA HELIX (D028838 001)*; 6 MONTHS $169,000

NIERENBERG, WILLIAM A; *PARTIAL SUPPORT OF SHIP OPERATIONS FOR RESEARCH AT SEA IN OCEANOGRAPHY (D032081*)*; 12 MONTHS $1,311,000

GAREY, WALTER F; *OPERATING SUPPORT FOR R/V ALPHA HELIX (D034468)*; 11 MONTHS $550,000

FLORIDA

FLORIDA STATE UNIVERSITY

HARRISS, ROBERT C; *SUPPORT OF R/V TURSIOPS (D028174 001)*; 11 MONTHS $68,200

MOTE MARINE LABORATORY

GILBERT, PERRY W; *OPERATION OF 33-FOOT OCEANOGRAPHIC VESSEL FOR 'USE' IN MARINE BIOLOGICAL RESEARCH (B017114 001)*; 10 MONTHS $16,500

NOVA UNIVERSITY

RICHARDSON, WILLIAM S; *SUPPORT FOR OPERATION OF R/V GULF STREAM (D031706)*; 12 MONTHS $18,200

UNIVERSITY OF MIAMI-SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES

BADER, RICHARD G; *SUPPORT OF RESEARCH VESSELS (D031576)*; 12 MONTHS $1,220,800

GEORGIA

SKIDAWAY INSTITUTE OF OCEANOGRAPHY

GREENE, ALBERT G JR; *SUPPORT OF UNIVERSITY OF GEORGIA MARINE INSTITUTE AND SKIDAWAY INSTITUTE OF OCEANOGRAPHY RESEARCH VESSELS (D031558)*; 12 MONTHS $102,900

HAWAII

UNIVERSITY OF HAWAII

WOOLLARD, GEORGE P; *SUPPORT OF SHIP OPERATIONS (D031603*)*; 12 MONTHS $279,400

MARYLAND

JOHNS HOPKINS UNIVERSITY

PRITCHARD, DONALD W; *OPERATION OF THE RESEARCH VESSELS RIDGELY WARFIELD, MAURY, AND LYDIA LOUISE II (D027279 001)*; $5,417

PRITCHARD, DONALD W; *SUPPORT OF RESEARCH VESSEL OPERATIONS (D031707)*; 12 MONTHS $119,000

MASSACHUSETTS

WOODS HOLE OCEANOGRAPHIC INSTITUTION

MAXWELL, ARTHUR E; *SUPPORT FOR THE OPERATION OF RESEARCH VESSELS (D027251 002)*; $114,200

MAXWELL, ARTHUR E; *SUPPORT FOR THE OPERATION OF RESEARCH VESSELS (D031983*)*; 12 MONTHS $792,500

MICHIGAN

UNIVERSITY OF MICHIGAN

CHANDLER, DAVID C; *SUPPORT OF SHIP OPERATIONS (D031764)*; 12 MONTHS $250,000

NEW JERSEY

ALPINE GEOPHYSICAL ASSOCIATES INC

SMOLEN, WALTER; *CONTRACT FOR OPERATION AND MAINTENANCE OF THE RESEARCH VESSEL 'ANTON BRUUN', AND FOR ADMINISTRATIVE SUPPORT OF AN OCEANOGRAPHIC RESEARCH PROGRAM (C443000 012)*; $1,056

NEW YORK

COLUMBIA UNIVERSITY-LAMONT-DOHERTY GEOLOGICAL OBSERVATORY

WORZEL, J LAMAR; *SHIP OPERATIONS (D027250 001)*; $47,200

WORZEL, J LAMAR; *SUPPORT OF SHIP OPERATIONS (D031705)*; 12 MONTHS $740,100

NORTH CAROLINA

DUKE UNIVERSITY-MARINE LABORATORY

BARBER, RICHARD T; *CONTINUATION OF VESSEL OPERATION, R/V EASTWARD (D028333 001)*; $29,860

BARBER, R T, AND NEWTON, J G; *SUPPORT FOR OPERATION OF R/V EASTWARD (D032560)*; 12 MONTHS $405,000

OREGON

OREGON STATE UNIVERSITY

BURT, WAYNE V, AND RITTENHOUSE, ELLIS B; *RESEARCH VESSEL OPERATIONS (D031575*)*; 12 MONTHS $75,600

BURT, WAYNE V; *RESEARCH VESSEL OPERATIONS (D031575 001)*; $99,100

RHODE ISLAND

UNIVERSITY OF RHODE ISLAND

KNAUSS, JOHN A; *RESEARCH VESSEL OPERATIONS (D027848 001*)*; 12 MONTHS $280,000

KNAUSS, JOHN A; *SUPPLEMENTARY SUPPORT FOR R/V TRIDENT (D027848 002)*; 12 MONTHS $153,800

TEXAS

TEXAS A & M UNIVERSITY

GEYER, RICHARD A; *SUPPORT OF SHIP OPERATIONS (D031790)*; 12 MONTHS $488,200

WASHINGTON

UNIVERSITY OF WASHINGTON

RICHARDS, FRANCIS A; *OCEANOGRAPHIC VESSEL OPERATIONS (D031717)*; 12 MONTHS $731,000

SHIP CONSTRUCTION/CONVERSION

MASSACHUSETTS

WOODS HOLE OCEANOGRAPHIC INSTITUTION

MAXWELL, ARTHUR E; *CONSTRUCTION OF AN OCEANOGRAPHIC RESEARCH VESSEL (C742000)*; 25 MONTHS $2,800,000

SPECIALIZED FACILITIES AND EQUIPMENT

ALASKA

UNIVERSITY OF ALASKA-INSTITUTE OF MARINE SCIENCE

HOOD, D W; *OCEANOGRAPHIC SHIP EQUIPMENT (D032882)*; 12 MONTHS $15,200

CALIFORNIA

UNIVERSITY OF SOUTHERN CALIFORNIA

SAVAGE, JAY M; *PLAN FOR CAPITAL IMPROVEMENTS AND EQUIPMENT OUTFITTING FOR THE RESEARCH VESSEL VELERO IV (D032466)*; 12 MONTHS $131,200

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCRIPPS INSTITUTION OF OCEANOGRAPHY

NIERENBERG, WILLIAM A; *CAPITAL EQUIPMENT AND IMPROVEMENTS FOR RESEARCH VESSELS (D032945)*; 12 MONTHS $170,000

FRAUTSCHY, JEFFERY D; *CONSTRUCTION OF A PIER AT NIMITZ MARINE FACILITY (D034607)*; 15 MONTHS $724,100

FLORIDA

FLORIDA STATE UNIVERSITY

HARRISS, ROBERT C; *RESEARCH EQUIPMENT FOR R/V TURSIOPS (D032601)*; 12 MONTHS $12,600

UNIVERSITY OF MIAMI-SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES

BADER, RICHARD G; *EQUIPMENT TO BE USED ABOARD RESEARCH VESSELS, GILLISS, ISELIN AND CALANUS (D032762)*; 12 MONTHS $119,850

BUNT, JOHN S; *SHORE FACILITY SUPPORT-MULTI-SAMPLE RECORDING SPECTROPHOTOMETER (D034271)*; 12 MONTHS $9,900

HAY, WILLIAM W; *SHORE FACILITIES SUPPORT-SCANNING ELECTRON MICROSCOPE ACCESSORIES (D034272)*; 12 MONTHS $28,700

GEORGIA

SKIDAWAY INSTITUTE OF OCEANOGRAPHY

MENZEL, DAVID W; *EQUIPMENT FOR OCEANOGRAPHIC VESSEL OPERATIONS AT THE UNIVERSITY OF GEORGIA MARINE INSTITUTE AND SKIDAWAY INSTITUTE OF OCEANOGRAPHY (D032465)*; 12 MONTHS $41,110

HAWAII

UNIVERSITY OF HAWAII

WOOLLARD, GEORGE P; *IMPROVING SHIP FACILITIES OF UNIVERSITY OF HAWAII RESEARCH VESSELS, KANA KEOKI AND TERITU (D032599)*; 12 MONTHS $76,900

WOOLLARD, GEORGE P; *SHORE FACILITIES SUPPORT-SCANNING ELECTRON MICROSCOPE AND ACCESSORIES (D034270)*; 24 MONTHS $69,000

MASSACHUSETTS

WOODS HOLE OCEANOGRAPHIC INSTITUTION

MORSE, ROBERT W; *FACILITIES SUPPORT FOR RESEARCH VESSELS (D032877)*; 12 MONTHS $134,400

HUNT, JOHN M; *SHORE FACILITIES SUPPORT - MASS SPECTROMETER (D032878*)*; 12 MONTHS $104,000

MICHIGAN

UNIVERSITY OF MICHIGAN

CHANDLER, DAVID C; *EQUIPMENT FOR RESEARCH VESSEL MYSIS (D033855)*; 12 MONTHS $19,700

NEW YORK

COLUMBIA UNIVERSITY

WORZEL, J LAMAR; *FACILITIES SUPPORT FOR RESEARCH VESSELS (D032876)*; 12 MONTHS $124,900

COLUMBIA UNIVERSITY-LAMONT-DOHERTY GEOLOGICAL OBSERVATORY

WORZEL, J LAMAR; *FACILITIES SUPPORT FOR RESEARCH VESSELS (D032876 001)*; $133,200

NORTH CAROLINA

DUKE UNIVERSITY

BARBER, R T; *SHIPBOARD EQUIPMENT, R/V EASTWARD (D032559)*; 12 MONTHS $35,540

DUKE UNIVERSITY-MARINE LABORATORY

BARBER, RICHARD T; *ALTERATION OF R/V EASTWARD TO PROVIDE ADDED LABORATORY AND BERTHING SPACE (D032562)*; 12 MONTHS $14,686

OREGON

OREGON STATE UNIVERSITY

BURT, WAYNE V, AND RITTENHOUSE, ELLIS B; *IMPROVEMENT OF ONBOARD SCIENTIFIC EQUIPMENT FOR YAQUINA AND CAYUSE (D032763)*; 12 MONTHS $81,497

TEXAS

TEXAS A & M UNIVERSITY

GEYER, R A; *RESCUE BOAT OUTFITTING (D032229)*; 12 MONTHS $3,500

WASHINGTON

UNIVERSITY OF WASHINGTON

RICHARDS, FRANCIS A; *EQUIPMENT FOR OCEANOGRAPHIC VESSEL OPERATIONS (D032376)*; 12 MONTHS $29,900

RICHARDS, FRANCIS A; *EQUIPMENT FOR OCEANOGRAPHIC VESSEL OPERATIONS (D032376 001)*; 12 MONTHS $96,500

OTHER FACILITIES AND SUPPORT OPERATIONS

CALIFORNIA

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCRIPPS INSTITUTION OF OCEANOGRAPHY

SHOR, GEORGE; *SUPPORT OF SHIPBOARD TECHNICIANS (D032467)*; 12 MONTHS $91,500

NIERENBERG, WILLIAM A; *SUPPORT FOR DC-3 UTILIZATION IN OCEANOGRAPHY (D032561)*; 12 MONTHS $49,920

ROBINSON, MARGARET K; *BATHYTHERMOGRAPH DATA PROCESSING GROUP (D032879)*; 4 MONTHS $30,000

ROBINSON, MARGARET K; *SUPPORT FOR BATHYTHERMOGRAPH DATA PROCESSING GROUP (D032879 001)*; 24 MONTHS $149,000

DISTRICT OF COLUMBIA

DEPARTMENT OF NAVY-OFFICE OF NAVAL RESEARCH

KIRWAN, A DENNIS; *SUPPORT OF THE COMMITTEE ON OCEANOGRAPHY OF THE NATIONAL ACADEMY OF SCIENCES (AG00221 002*)*; 12 MONTHS $10,000

GEORGIA

GREENE, ALBERT JR; *OTHER PROGRAM AWARDS (01AWDS)*; 14 MONTHS $29,350

MASSACHUSETTS

WOODS HOLE OCEANOGRAPHIC INSTITUTION

MORSE, ROBERT W; *SUPPORT FOR THE UNIVERSITY-NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM (UNOLS) OFFICE (D031263)*; 12 MONTHS $56,250

MORSE, ROBERT W; *SUPPORT FOR THE UNIVERSITY-NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM (UNOLS) (D031263 001)*; 12 MONTHS $0

SCHROEDER, ELIZABETH H; *SUPPORT OF BATHYTHERMOGRAPH PROCESSING GROUP (D032180)*; 12 MONTHS $21,600

SCHROEDER, ELIZABETH H; *SUPPORT OF BATHYTHERMOGRAPH PROCESSING GROUP (D032180 001)*; 24 MONTHS $46,700

MORSE, ROBERT W; *SUPPORT OF SUBMERSIBLE OPERATIONS (D032558)*; 12 MONTHS $174,000

MAXWELL, ARTHUR E; *SUPPORT OF SHIPBOARD TECHNICIANS AND SHIPBOARD COMPUTING ACTIVITIES (D032761)*; 12 MONTHS $160,100

HUNT, JOHN M; *SHORE FACILITIES SUPPORT - MASS SPECTROMETER (D032878*)*; 12 MONTHS $10,900

INTERNATIONAL DECADE OF OCEAN EXPLORATION

CALIFORNIA

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCRIPPS INSTITUTION OF OCEANOGRAPHY

NIERENBERG, WILLIAM A; *PARTIAL SUPPORT OF SHIP OPERATIONS FOR RESEARCH AT SEA IN OCEANOGRAPHY (D032021*)*; 12 MONTHS $145,000

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS (02AWDS)*; $265

DEPARTMENT OF NAVY-OFFICE OF NAVAL RESEARCH

KIRWAN, A DENNIS; *SUPPORT OF THE COMMITTEE ON OCEANOGRAPHY OF THE NATIONAL ACADEMY OF SCIENCES (AG00221 002*)*; 12 MONTHS $5,000

HAWAII

UNIVERSITY OF HAWAII

WOOLLARD, GEORGE P; *SUPPORT OF SHIP OPERATIONS (D031603*)*; 12 MONTHS $360,000

MARYLAND

NONE; *OTHER PROGRAM AWARDS (03AWDS)*; $4,050

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

HESS, WILMOT N, AND HALPERN, DAVID; *NEAR SURFACE CIRCULATION STUDIES IN A COASTAL UPWELLING ENVIRONMENT (AG00299 001*)*; 13 MONTHS $310,201

MASSACHUSETTS

WOODS HOLE OCEANOGRAPHIC INSTITUTION

MAXWELL, ARTHUR E; *SUPPORT FOR THE OPERATION OF RESEARCH VESSELS (D031935*)*; 12 MONTHS $1,439,000

OREGON

OREGON STATE UNIVERSITY

BURT, WAYNE V, AND RITTENHOUSE, ELLIS B; *RESEARCH VESSEL OPERATIONS (D031575*)*; 12 MONTHS $[illegible]96,000

KULM, LAVERNE D; *COLLABORATIVE RESEARCH IN AN INVESTIGATION OF THE NASCA LITHOSPHERIC PLATE AND ITS INTERACTION. WITH THE SOUTH AMERICAN CONTINENTAL BLOCK (X028675 002*)*; 12 MONTHS $57

RHODE ISLAND

UNIVERSITY OF RHODE ISLAND

KNAUSS, JOHN A; *RESEARCH VESSEL OPERATIONS (D027248 001*)*; 12 MONTHS $20,000

VIRGINIA

NONE; *OTHER PROGRAM AWARDS (02AWDS)*; $5,836

ENVIRONMENTAL QUALITY

ALASKA

UNIVERSITY OF ALASKA-INSTITUTE OF MARINE SCIENCE

HOOD, DONALD W; *U. S. PARTICIPATION IN INTERNATIONAL SYMPOSIUM ON OCEANOGRAPHY OF THE BERING SEA (X030197)*; 6 MONTHS $25,200

GOERING, JOHN J, AND BURRELL, DAVID C; *A SURVEY OF MERCURY, CADMIUM, AND LEAD IN MARINE ORGANISMS OF THE ARCTIC OCEAN, BERING SEA, AND NORTH PACIFIC OCEAN (X030198)*; 12 MONTHS $44,100

BERMUDA

BERMUDA BIOLOGICAL STATION FOR RESEARCH INC

BUTLER, JAMES N; *TRANSFER OF PERSISTENT POLLUTANTS IN SARGASSUM COMMUNITIES (X032883)*; 24 MONTHS $89,100

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

PATTERSON, CLAIR C; *TRACE METALS IN IDOE BASELINE STUDY SAMPLES WITH SPECIAL EMPHASIS ON LEAD, CADMIUM AND TIN (X031293)*; 12 MONTHS $19,400

UNIVERSITY OF CALIFORNIA, BERKELEY

RISEBROUGH, ROBERT W; *FORMULATION OF MASS BALANCE EQUATIONS FOR POLYCHLORINATED BIPHENYLS IN MARINE ECOSYSTEMS (X032885)*; 24 MONTHS $122,000

UNIVERSITY OF SAN DIEGO COORDINATE COLLEGES

RESNICK, I; *CONDUCT SECRETARIAT ACTIVITIES OF INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO) TECHNICAL COMMITTEE (TC) 147 (X031703)*; 24 MONTHS $34,456

UNIVERSITY OF SOUTHERN CALIFORNIA

KU, TEH-LUNG; *GEOCHEMICAL OCEAN SECTIONS STUDY - GEOSECS -RADIUM ANALYSES (X033292)*; 18 MONTHS $40,600

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCRIPPS INSTITUTION OF OCEANOGRAPHY

BAINBRIDGE, ARNOLD E; *GEOCHEMICAL OCEAN SECTIONS STUDY-GEOSECS-OPERATIONS GROUP (X028162 001)*; 18 MONTHS $1,768,200

CRAIG, HARMON; *GEOCHEMICAL OCEAN SECTIONS STUDY-GEOSECS-SHIP-BOARD AND LABORATORY MEASUREMENTS (X028163 001)*; 18 MONTHS $356,800

GOLDBERG, EDWARD D, AND LASKER, REUBEN; *THE FLUXES OF SYNTHETIC ORGANICS TO THE MARINE ENVIRONMENT AND EXCHANGE RATES OF CHLORINATED HYDROCARBONS AND SIMILAR CHEMICALS IN MARINE FOOD CHAINS (X032977)*; 24 MONTHS $150,000

GOLDBERG, EDWARD D; *WORKSHOP TO EVALUATE THE INTERNATIONAL DECADE OF OCEAN EXPLORATION BASELINE STUDY (X033731)*; 6 MONTHS $13,500

GOLDBERG, EDWARD D; *WORKSHOP TO EVALUATE THE INTERNATIONAL DECADE OF OCEAN EXPLORATION BASELINE STUDY (X023731 001)*; $11,000

HENDERSHOTT, MYRL C, DAVIS, RUSS E, AND MUNK, WALTER H; *DESIGN OF THE MID-OCEAN DYNAMICS EXPERIMENT ARRAY AS AN INVERSE PROBLEM (X034677*)*; 12 MONTHS $19,880

CONNECTICUT

YALE UNIVERSITY

TUREKIAN, KARL K; *GEOCHEMICAL OCEAN SECTIONS STUDY-GEOSECS-STRONTIUM ANALYSES (X032975)*; 18 MONTHS $36,600

DISTRICT OF COLUMBIA

NATIONAL ACADEMY OF ENGINEERING

KEIM, S RUSSELL; *TASK ORDER FOR SUPPORT OF U.S. PARTICIPATION IN THE ENGINEERING COMMITTEE ON OCEANIC RESOURCES (ECOR) (C310219*)*; 12 MONTHS $800

BOLLER, JACK W; *SUPPORT OF U.S. PARTICIPATION IN THE ENGINEERING COMMITTEE ON OCEANIC RESOURCES (ECOR) (C310219 001)*; 12 MONTHS $5,000

FLORIDA

UNIVERSITY OF MIAMI-SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES

OSTLUND, H GOTE; *GEOCHEMICAL OCEAN SECTIONS STUDY-GEOSECS-RADIO-CARBON AND TRITIUM MEASUREMENTS (X028165 001)*; 18 MONTHS $146,300

GEORGIA

SKIDAWAY INSTITUTE OF OCEANOGRAPHY

WINDOM, HERBERT; *THE TRANSFER OF HEAVY METALS THROUGH THE INNER CONTINENTAL SHELF TO THE OPEN OCEAN (X033615)*; 24 MONTHS $184,000

HAWAII

UNIVERSITY OF HAWAII

KROOPNICK, PETER M; *GEOCHEMICAL OCEAN SECTIONS STUDY-GEOSECS-ISOTOPIC MEASUREMENTS IN DISSOLVED INORGANIC CARBON, DISSOLVED OXYGEN, ATMOSPHERIC WATER VAPOR, AND ATMOSPHERIC* CO_2 *(X028168 001)*; 18 MONTHS $64,200

LOUISIANA

LOUISIANA STATE UNIVERSITY, BATON ROUGE

CHAN, LUI-HEUNG, AND HANOR, JEFFREY S; *DETERMINATION OF BARIUM CONCENTRATION IN OCEAN WATERS COLLECTED AT GEOCHEMICAL OCEAN SECTIONS STUDY (GEOSECS) STATIONS (X035034)*; 18 MONTHS $14,100

MARYLAND

ATOMIC ENERGY COMMISSION

FORSTER, WILLIAM O; *STUDY PROGRAM TO IDENTIFY PROBLEMS RELATED TO OCEANIC ENVIRONMENTAL QUALITY - CARIBBEAN AND GULF OF MEXICO (AG00272)*; 12 MONTHS $71,000

VOLCHOK, HERBERT L, AND BOWEN, VAUGKAN T; *GEOCHEMICAL OCEAN SECTIONS STUDY-GEOSECS-FALLOUT RADIONUCLIDES IN OCEANIC WATER COLUMNS (AG00353)*; 18 MONTHS $85,000

NATIONAL BUREAU OF STANDARDS

LAFLEUR, PHILIP D; *CERTIFICATION OF STANDARD REFERENCE MATERIALS FOR SUPPORT OF THE INTERNATIONAL DECADE OF OCEAN EXPLORATION (AG00347)*; 6 MONTHS $50,000

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

AUSTIN, THOMAS S; *DATA MANAGEMENT SERVICES FOR THE INTERNATIONAL DECADE OF OCEAN EXPLORATION (AG00262 001*)*; 12 MONTHS $46,750

HESS, WILMOT N, AND HALPERN, DAVID; *NEAR SURFACE CIRCULATION STUDIES IN A COASTAL UPWELLING ENVIRONMENT (AG002[illegible] 001*)*; 13 MONTHS $11,599

MASSACHUSETTS

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

EDMOND, JOHN M; *GEOCHEMICAL OCEAN SECTIONS STUDY-GEOSECS-PARTIAL SUPPORT TO ACT AS ASSISTANT CHIEF SCIENTIST, GEOSECS EXPEDITION (X032976)*; 12 MONTHS $7,600

EDMOND, JOHN M; *GEOCHEMICAL OCEAN SECTIONS STUDY-GEOSECS-HIGH PRECISION BARIUM MEASUREMENTS (X035033)*; 18 MONTHS $47,000

WOODS HOLE OCEANOGRAPHIC INSTITUTION

HUNT, JOHN M, AND SPENCER, DEREK W; *GEOCHEMICAL OCEAN SECTIONS PROGRAM- CAPITAL EQUIPMENT FOR SHIPBOARD WORK (X028161 001)*; $48,400

SPENCER, DEREK W, AND HUNT, JOHN M; *GEOCHEMICAL OCEAN SECTIONS STUDY - GEOSECS -ADMINISTRATIVE AND LOGISTICS ACTIVITIES (X028161 002)*; 18 MONTHS $313,000

HARVEY, GEORGE R; *A STUDY PROGRAM TO IDENTIFY PROBLEMS RELATED TO OCEANIC ENVIRONMENTAL QUALITY-NORTH ATLANTIC (X028334 001)*; $25,100

MANGELSDORF, PAUL C; *GEOCHEMICAL OCEAN SECTIONS STUDY - GEOSECS -ANALYSIS OF THE MAJOR IONS IN SEA WATER BY THE METHOD OF DIFFERENCE CHROMATOGRAPHY (X033294)*; 18 MONTHS $19,400

SPENCER, DEREK W, AND BREWER, PETER G; *GEOCHEMICAL OCEAN SECTIONS STUDY - GEOSECS - TRACE ELEMENT AND PARTICULATE MATTER INVESTIGATIONS (X033295)*; 18 MONTHS $162,800

NEW YORK

AMERICAN NATIONAL STANDARDS INSTITUTE

RESNICK, I; *CONDUCT SECRETARIAT ACTIVITIES OF INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO) TECHNICAL COMMITTEE (TC) 147 (X031703 001)*; $9,992

QUEENS COLLEGE

TAKAHASHI, TARO; *GEOCHEMICAL OCEAN SECTIONS STUDY - GEOSECS -CARBONATE CHEMISTRY OF SEA WATER (X033293)*; 18 MONTHS $38,400

COLUMBIA UNIVERSITY-LAMONT-DOHERTY GEOLOGICAL OBSERVATORY

BROECKER, WALLACE S, AND BENDER, MICHAEL; *BARIUM ANALYSES IN THE GEOSECS PROGRAM (X028164 001)*; 11 MONTHS $34,600

BROECKER, WALLACE S, FEELY, HERBERT, BISCAYE, PIERRE E, AND BENDER, MICHAEL; *GEOCHEMICAL OCEAN SECTIONS STUDY-GEOSECS-RADIUM 226 ANALYSES IN ATLANTIC SAMPLES (X028164 002)*; 18 MONTHS $216,188

BROECKER, WALLACE S, AND SENECHAL, RONALD G; *GEOCHEMICAL OCEAN SECTIONS STUDY-GEOSECS-ANALYSIS OF BARIUM IN GEOSECS ATLANTIC SAMPLES (X028164 004)*; $11,000

OREGON

OREGON STATE UNIVERSITY

BYRNE, JOHN V, AND GORDON, LOUIS I; *GEOSECS- AUTOMATED NUTRIENT ANALYSES AND MEASUREMENT OF ORGANIC CARBON (X028167 001*)*; 12 MONTHS $9,800

BYRNE, JOHN V, AND GORDON, LOUIS I; *GEOCHEMICAL OCEAN SECTIONS STUDY-GEOSECS-AUTOMATED NUTRIENT ANALYSES AND MEASUREMENT OF ORGANIC CARBON (X028167 002)*; 18 MONTHS $111,800

KULM, LAVERNE D; *COLLABORATIVE RESEARCH IN AN INVESTIGATION OF THE NASCA LITHOSPHERIC PLATE AND ITS INTERACTION WITH THE SOUTH AMERICAN CONTINENTAL BLOCK (X028675 002*)*; 12 MONTHS $24,417

RHODE ISLAND

UNIVERSITY OF RHODE ISLAND-GRADUATE SCHOOL OF OCEANOGRAPHY

DUCE, ROBERT A; *ATMOSPHERIC POLLUTANT TRANSPORT AND DEPOSITION ON THE SEA SURFACE (X033777)*; 24 MONTHS $377,000

TEXAS

TEXAS A & M UNIVERSITY

SACKETT, W M, PRESLEY, B J, AND GIAM, C S; *A STUDY PROGRAM TO IDENTIFY PROBLEMS RELATED TO OCEANIC ENVIRONMENTAL QUALITY-GULF OF MEXICO AND CARIBBEAN (X030196)*; 12 MONTHS $102,900

UNIV OF TEXAS AT AUSTIN-MARINE SCIENCE INSTITUTE

PARKER, PATRICK L; *A BASE-LINE STUDY OF PETROLEUM DERIVED ORGANIC MATTER FOR THE GULF OF MEXICO (X030108)*; 12 MONTHS $58,700

WASHINGTON

UNIVERSITY OF WASHINGTON

STUIVER, MINZE; *GEOCHEMICALS OCEAN SECTIONS STUDY-GEOSECS-CARBON 14 OCEAN WATER ANALYSES (X028166 001)*; 18 MONTHS $30,600

BATTELLE MEMORIAL INSTITUTE-BATTELLE NORTHWEST

ROBERTSON, DAVID E; *GEOCHEMICAL OCEAN SECTIONS STUDY-*

GEOSECS-CHARACTERIZATION OF GEOGRAPHICAL AND VERTICAL DISTRIBUTION OF A LARGE GROUP OF TRACE ELEMENTS (X032974); 18 MONTHS $45,000

ENVIRONMENTAL FORECASTING

CALIFORNIA

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCRIPPS INSTITUTION OF OCEANOGRAPHY

COX, CHARLES S, PARKER, ROBERT L, AND VACQUIER, V; *ELECTROMAGNETIC STUDIES OF THE OCEAN LITHOSPHERE AND OF THE OCEAN WATER CURRENTS AT THE MODE 1 SITE (A031342*)*; 24 MONTHS $120,200

COX, CHARLES S, PARKER, ROBERT L, AND VACQUIER, V; *ELECTROMAGNETIC STUDIES OF THE OCEAN LITHOSPHERE AND OF THE OCEAN WATER CURRENTS AT THE MODE 1 SITE (A031342 001)*; $17,100

HENDERSHOTT, MYRL C; *NUMERICAL EVALUATION OF SUGGESTED MODE-I SITES (X031135)*; 12 MONTHS $30,100

NIERENBERG, WILLIAM A; *PLANNING GRANT FOR LARGE SCALE AIR-SEA NORTH PACIFIC STUDY (X032481)*; 6 MONTHS $27,600

HENDERSHOTT, MYRL C, DAVIS, RUSS E, AND MUNK, WALTER H; *DESIGN OF THE MID-OCEAN DYNAMICS EXPERIMENT ARRAY AS AN INVERSE PROBLEM (X034677*)*; 12 MONTHS $14,020

CONNECTICUT

YALE UNIVERSITY

ROSSBY, T; *MODE I- SOFAR FLOAT EXPERIMENT, INVERTED ECHOSOUNDER PROJECT, VERTICAL PROFILES OF HORIZONTAL CURRENTS (X030416)*; 24 MONTHS $159,600

ROSSBY, T; *MODE-I-MID-OCEAN DYNAMICS EXPERIMENT- CURRENT MEASUREMENTS BY ACOUSTIC TRACKING OF SUBSURFACE FLOATS, AND ACOUSTIC MEASUREMENTS OF THERMOCLINE DEPTH (X030416 001)*; 17 MONTHS $81,900

UNIVERSITY OF CONNECTICUT-MARINE SCIENCES INSTITUTE

GARVINE, RICHARD W; *EKMAN DYNAMICS STUDIES IN THE COASTAL UPWELLING EXPERIMENT (CUE) (X032[illegible]11)*; 12 MONTHS $12,700

DISTRICT OF COLUMBIA

NATIONAL ACADEMY OF ENGINEERING

KEIM, S RUSSELL; *TASK ORDER FOR SUPPORT OF U.S. PARTICIPATION IN THE ENGINEERING COMMITTEE ON OCEANIC RESOURCES (ECOR) (C310219*)*; 12 MONTHS $850

NATIONAL ACADEMY OF SCIENCES

VETTER, RICHARD C, AND KEIM, S RUSSELL; *SUPPORT OF THE NASOAB-NAEMB PLANNING PANEL ON THE INT'L DECADE OF OCEAN EXPLORATION (C310217 001)*; 1 MONTHS $1,973

DEPARTMENT OF NAVY-OFFICE OF NAVAL RESEARCH

PAULI, DENZIL; *SUPPORT OF THE NATIONAL ACADEMY OF ENGINEERING MARINE BOARD (AG00265 001)*; 12 MONTHS $4,000

KIRWAN, A D JR; *SMALL OCEAN DATA STATION (SODS) (AG00330)*; 12 MONTHS $250,000

HOLMQUIST, C O; *THE NORTH PACIFIC EXPERIMENT (NORPAX)-INTERNATIONAL DECADE OF OCEAN EXPLORATION AND OFFICE OF NAVAL RESEARCH JOINT PROGRAM (CA88000)*; 12 MONTHS $3,050,000

FLORIDA

NATIONAL MARINE FISHERIES SERVICE-TROPICAL ATLANTIC BIOLOGICAL LAB-NMFS

HANSEN, D V, AND CREASE, J; *MID-OCEAN DYNAMICS EXPERIMENT (MODE) DENSITY PROGRAM (AG00385)*; 24 MONTHS $645,900

UNIVERSITY OF MIAMI-SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES

MOOERS, C N K; *FRONTAL CIRCULATION AND MIXING IN CONJUNCTION WITH COASTAL UPWELLING EXPERIMENT (CUE) (X031264)*; 12 MONTHS $21,800

MOOERS, C N K, AND VAN LEER, JOHN C; *FRONTAL CIRCULATION AND MIXING IN CONJUNCTION WITH COASTAL UPWELLING EXPERIMENT (CUE) (X031264 001)*; $34,800

MARYLAND

JOHNS HOPKINS UNIVERSITY

BRETHERTON, FRANCIS P; *AN EXPLORATORY STUDY OF SYNOPTIC MAPS FOR MODE-I (X030119)*; 12 MONTHS $35,200

BRETHERTON, FRANCIS P; *AN EXPLORATORY STUDY OF SYNOPTIC MAPS FOR THE MID-OCEAN DYNAMICS EXPERIMENT-I (X030119 001)*; 12 MONTHS $58,000

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

AUSTIN, THOMAS S; *DATA MANAGEMENT SERVICES FOR THE INTERNATIONAL DECADE OF OCEAN EXPLORATION (AG00262 001*)*; 12 MONTHS $46,750

WHITE, ROBERT M, AND OSTAPOFF, FEODOR; *AIR-SEA INTERACTION AND THE MIXED LAYER IN THE OCEAN (AG00282)*; 12 MONTHS $48,300

HESS, WILMOT N, AND HALPERN, DAVID; *NEAR SURFACE CIRCULATION STUDIES IN A COASTAL UPWELLING ENVIRONMENT (AG00299)*; 18 MONTHS $126,300

HESS, WILMOT N, AND HALPERN, DAVID; *NEAR SURFACE CIRCULATION STUDIES IN A COASTAL UPWELLING ENVIRONMENT (AG00299 001*)*; 13 MONTHS $102,300

MASSACHUSETTS

HARVARD UNIVERSITY

BAKER, D JAMES JR; *MODE-I-MID-OCEAN DYNAMICS EXPERIMENT-DEEP-SEA PRESSURE AND ATMOSPHERIC MEASUREMENTS (X028846 001)*; 30 MONTHS $172,600

ROBINSON, ALLAN R; *MODE I THEORETICAL STUDIES AND NUMERICAL MODELS (X029033 001)*; $6,000

ROBINSON, ALLAN R; *ANALYTICAL AND NUMERICAL STUDIES OF MESOSCALE MOTIONS BY THE THEORETICAL PANEL FOR THE MID-OCEAN DYNAMICS EXPERIMENT (X029033 002)*; 12 MONTHS $60,900

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

WUNSCH, CARL; *MODE-MID OCEAN DYNAMICS EXPERIMENT-MOORED THERMAL ARRAY (X029034 001)*; 30 MONTHS $489,100

STOMMEL, HENRY M; *ADMINISTRATION OF THE MID-OCEAN DYNAMICS EXPERIMENT (X029051 001)*; 12 MONTHS $181,300

WOODS HOLE OCEANOGRAPHIC INSTITUTION

FOFONOFF, N P, SCHMITZ, W J, AND WEBSTER, FERRIS; *MID OCEAN DYNAMICS EXPERIMENT MOORED CURRENT METER ARRAY (X029054 001)*; $210,300

HASSELMANN, KLAUS F; *INVESTIGATION OF INTERACTIONS BETWEEN SHORT INTERNAL GRAVITY WAVES AND LARGER SCALE MOTIONS IN THE OCEAN (X030109)*; 12 MONTHS $37,800

WEBB, DOUGLAS C; *MODE- SOFAR FLOAT EXPERIMENT (X030220)*; 36 MONTHS $461,500

VOORHIS, ARTHUR D, AND WEBB, DOUGLAS C; *MID-OCEAN DYNAMICS EXPERIMENT I- NEUTRALLY BUOYANT FLOAT EXPERIMENT (X030220 001)*; 6 MONTHS $45,600

WEBB, DOUGLAS C; *MODE I-VERTICAL PROFILES OF HORIZONTAL CURRENTS (X030415)*; 36 MONTHS $83,200

WELANDER, PIERRE; *MODE-I- THEORETICAL-NUMERICAL STUDY OF GEOSTROPHIC EDDY MOTIONS IN THE OCEAN (X030793)*; 6 MONTHS $13,700

WALDEN, ROBERT G, AND BERTEAUX, HENRI O; *MODE-I-HYDROPHONE ARRAYS FOR TRACKING SOFAR FLOATS (X032571)*; 12 MONTHS $108,600

WEBSTER, FERRIS; *MID-OCEAN DYNAMICS EXPERIMENT-PHASE I-HOT LINE (X033085)*; 24 MONTHS $33,400

KATZ, ELI J; *MODE- OBSERVATIONS OF AN ISOPYCNAL SURFACE (X034906)*; 24 MONTHS $106,800

NEW YORK

COLUMBIA UNIVERSITY

POCHAPSKY, T E; *MODE I- DEEP OCEAN CURRENT FINE STRUCTURE (X030987)*; 30 MONTHS $47,000

COLUMBIA UNIVERSITY-LAMONT-DOHERTY GEOLOGICAL OBSERVATORY

HAYS, JAMES D; *PALEO-OCEANOGRAPHIC STUDIES OF LATE QUATERNARY OCEAN CIRCULATION AND CLIMATE IN THE NORTHERN ATLANTIC AND PACIFIC OCEANS (X028671 001)*; 12 MONTHS $431,000

OREGON

OREGON STATE UNIVERSITY

BYRNE, JOHN V, AND GORDON, LOUIS I; *GEOSECS- AUTOMATED NUTRIENT ANALYSES AND MEASUREMENT OF ORGANIC CARBON (X028167 001*)*; 12 MONTHS $9,800

MOORE, THEODORE C JR; *PALEO-OCEANOGRAPHIC STUDIES OF LATE QUATERNARY OCEAN CIRCULATION AND CLIMATE IN THE NORTHERN ATLANTIC AND PACIFIC OCEANS (X028673 001)*; 12 MONTHS $157,700

SMITH, ROBERT L, AND O'BRIEN, JAMES J; *MESOSCALE DYNAMICS IN A COASTAL UPWELLING REGION (X028746 001)*; $198,500

SMITH, ROBERT L, AND O'BRIEN, JAMES J; *MESOSCALE DYNAMICS IN A COASTAL UPWELLING REGION (X028746 002)*; 12 MONTHS $479,700

RHODE ISLAND

BROWN UNIVERSITY

IMBRIE, JOHN; *PALEO-OCEANOGRAPHIC STUDIES OF LATE QUATERNARY OCEAN CIRCULATION CLIMATE IN THE NORTHERN ATLANTIC AND PACIFIC OCEANS (X028672 001)*; 12 MONTHS $132,100

UNIVERSITY OF RHODE ISLAND-GRADUATE SCHOOL OF OCEANOGRAPHY

STURGES, WILTON, AND KNAUSS, JOHN A; *MODE-I- BOTTOM-MOUNTED CURRENT METER ARRAY (X0313[illegible]0)*; 36 MONTHS $245,300

TEXAS

MERRILL, WILLIAM J JR; *OTHER PROGRAM AWARDS (01AWDS)*; 15 MONTHS $42,230

RICE UNIVERSITY

STEBBINGS, R F, AND SPIGER, R J; *INVESTIGATION OF THE APPLICATION OF RAMAN SPECTROSCOPY TO QUANTITATIVE ANALYSIS OF SEA WATER (X034605)*; 12 MONTHS $18,400

SEA-BED ASSESSMENT

CALIFORNIA

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCRIPPS INSTITUTION OF OCEANOGRAPHY

MENARD, HENRY W, AND BRUNE, JAMES N; *GEOLOGY AND GEOPHYSICS OF THE GULF OF CALIFORNIA (X031704)*; 12 MONTHS $148,800

DISTRICT OF COLUMBIA

GEOLOGICAL SURVEY

BERRYHILL, HENRY L JR; *SEABED ASSESSMENT PROGRAMS- EASTERN CARIBBEAN SEA, GULF OF MEXICO, BERING SEA, AND WEST AFRICAN SHELF (AG00255 001)*; 12 MONTHS $323,500

NATIONAL ACADEMY OF ENGINEERING

KEIM, S RUSSELL; *TASK ORDER FOR SUPPORT OF U.S. PARTICIPATION IN THE ENGINEERING COMMITTEE ON OCEANIC RESOURCES (EGOR) (C310219*)*; 12 MONTHS $850

NATIONAL ACADEMY OF SCIENCES

VETTER, RICHARD C; *SUPPORT OF A WORKSHOP ON DYNAMICS OF THE MID-ATLANTIC RIDGE (C310229)*; 12 MONTHS $36,600

HAWAII

UNIVERSITY OF HAWAII

WOOLLARD, GEORGE P; *AN INVESTIGATION OF THE NASCA LITHOSPHERIC PLATE AND ITS INTERACTION WITH THE SOUTH AMERICAN CONTINENTAL BLOCK (X028674 001)*; $7,600

MARYLAND

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

AUSTIN, THOMAS S; *DATA MANAGEMENT SERVICES FOR THE INTERNATIONAL DECADE OF OCEAN EXPLORATION (AG00262 001*)*; 12 MONTHS $46,750

HESS, WILMOT N, AND HALPERN, DAVID; *NEAR SURFACE CIRCULATION STUDIES IN A COASTAL UPWELLING ENVIRONMENT (AG00299 001*)*; 13 MONTHS $8,050

WHITE, ROBERT M, AND BURNS, ROBERT E; *AN INVESTIGATION OF THE NASCA LITHOSPHERIC PLATE (AG00329)*; 48 MONTHS $338,000

MASSACHUSETTS

WOODS HOLE OCEANOGRAPHIC INSTITUTION

EMERY, K O; *THE EASTERN ATLANTIC CONTINENTAL MARGIN (X028193 001)*; 24 MONTHS $586,900

HEIRTZLER, JAMES; *MID ATLANTIC RIDGE PLANNING CONFERENCE (X034747)*; 6 MONTHS $9,100

NEW YORK

COLUMBIA UNIVERSITY-LAMONT-DOHERTY GEOLOGICAL OBSERVATORY

EWING, MAURICE; *WORLD'S SEABED MANGANESE DEPOSITS, DISTRIBUTION, ORIGIN, GROWTH AND EVALUATION (X030675)*; 6 MONTHS $19,200

EWING, MAURICE; *WORLD'S SEABED MANGANESE DEPOSITS, DISTRIBUTION, ORIGIN, GROWTH AND EVALUATION (X030675 001)*; 6 MONTHS $12,744

GERARD, ROBERT; *ESTABLISH A COORDINATOR'S OFFICE; RESOURCES OF THE SEABED AND PUBLISH EXISTING DATA ON ENGINEERING, PHYSICAL, AND CHEMICAL DATA ON THE SEABED (X033616)*; 12 MONTHS $80,700

BRYAN, GEORGE M, EWING, M, TALWANI, M, PITMAN, W, AND HAYES, D; *A GEOPHYSICAL STUDY OF THE CONTINENTAL MARGIN OF ARGENTINA AND BRAZIL (X034410)*; 12 MONTHS $345,400

GERARD, ROBERT D; *FERROMANGANESE DEPOSITS OF THE OCEAN FLOOR AN INTER-UNIVERSITY PROGRAM OF RESEARCH (X034659)*; 12 MONTHS $191,[illegible]00

OREGON

OREGON STATE UNIVERSITY

KULM, LA VERNE D; *AN INVESTIGATION OF THE NASCA LITHOSPHERIC PLATE AND ITS INTERACTION WITH THE SOUTH AMERICAN CONTINENTAL BLOCK (X028675 001)*; $7,900

KULM, LAVERNE D; *COLLABORATIVE RESEARCH IN AN INVESTIGATION OF THE NASCA LITHOSPHERIC PLATE AND ITS INTERACTION WITH THE SOUTH AMERICAN CONTINENTAL BLOCK (X028675 002*)*; 12 MONTHS $128,314

LIVING RESOURCES

MARYLAND

NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION

AUSTIN, THOMAS S; *DATA MANAGEMENT SERVICES FOR THE INTERNATIONAL DECADE OF OCEAN EXPLORATION (AG00262 001*)*; 12 MONTHS $46,750

HESS, WILMOT N, AND HALPERN, DAVID; *NEAR SURFACE CIRCULATION STUDIES IN A COASTAL UPWELLING ENVIRONMENT (AG00299 001*)*; 13 MONTHS $2,850

WASHINGTON

UNIVERSITY OF WASHINGTON

DUGDALE, RICHARD C; *COASTAL UPWELLING ECOSYSTEMS ANALYSIS PROGRAM (CUEA) (X035502)*; 20 MONTHS $907,000

WISCONSIN

INSTITUTE OF ECOLOGY

HASLER, ARTHUR D; *CONSULTATIVE SERVICES FOR THE LIVING RESOURCES PROGRAM OF THE INTERNATIONAL DECADE OF OCEAN EXPLORATION (X034676)*; 12 MONTHS $20,400

OTHER NATIONAL AND SPECIAL PROGRAMS

OCEAN SEDIMENT CORING PROGRAM

CALIFORNIA

GALEHOUSE, JON S; *OTHER PROGRAM AWARDS (01AWDS)*; 12 MONTHS $37,220

UNIVERSITY OF CALIFORNIA, SAN DIEGO

NIERENBERG, WILLIAM A; *DRILLING OF SEDIMENTS IN THE PACIFIC AND ATLANTIC OCEANS AND ADJACENT SEAS, NSF-C482 (C482000 027*)*; $367,501

NIERENBERG, WILLIAM A; *DRILLING OF SEDIMENTS IN THE PACIFIC AND ATLANTIC OCEANS AND ADJACENT SEAS, CONTRACT NSF-C482 (C482000 028)*; $260,000

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCRIPPS INSTITUTION OF OCEANOGRAPHY

NIERENBERG, WILLIAM A; *DRILLING OF SEDIMENTS IN THE PACIFIC AND ATLANTIC OCEANS AND ADJACENT SEAS (C482000 022)*; 12 MONTHS $1,800,000

NIERENBERG, WILLIAM A; *DRILLING OF SEDIMENTS IN THE PACIFIC AND ATLANTIC OCEANS AND ADJACENT SEAS, NSF-C-482 (C482000 023)*; $3,500,000

NIERENBERG, WILLIAM A; *DRILLING OF SEDIMENTS IN THE PACIFIC AND ATLANTIC OCEANS AND ADJACENT SEAS, NSF C-482 (C482000 025)*; 5 MONTHS $3,000,000

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS (10AWDS)*; $233,279

MARYLAND

DEPARTMENT OF COMMERCE-NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION-WEATHER BUREAU

KORNMANN, ALLAN G; *METEOROLOGICAL SUPPORT OF THE DEEP SEA DRILLING OPERATIONS (CA07000 004)*; 14 MONTHS $52,000

NEW YORK

COLUMBIA UNIVERSITY-LAMONT-DOHERTY GEOLOGICAL OBSERVATORY

EWING, JOHN I; *SURVEYS OF DSDP DRILLING SITES (A028338 002)*; $10,000

INTERNATIONAL BIOLOGICAL PROGRAM

ALASKA

UNIVERSITY OF ALASKA

WEST, GEORGE C; *THE STRUCTURE AND FUNCTION OF THE TUNDRA ECOSYSTEM (V029342 X02*)*; 12 MONTHS $330,000

ARIZONA

UNIVERSITY OF ARIZONA

LOWE, CHARLES H; *COLLABORATIVE RESEARCH ON STRUCTURE OF ECOSYSTEMS, PART 7 (B027153 001)*; [illegible]2 MONTHS $35,500

CALIFORNIA

CALIFORNIA STATE UNIVERSITY, SAN DIEGO

JOHNSON, ALBERT W; *COLLABORATIVE RESEARCH ON STRUCTURE OF ECOSYSTEMS, PART 4 (B027161 001)*; 12 MONTHS $173,000

STANFORD UNIVERSITY

MOONEY, HAROLD A; *COLLABORATIVE RESEARCH ON STRUCTURE OF ECOSYSTEMS, PART 5 (B027151 001)*; 12 MONTHS $19,000

UNIVERSITY OF CALIFORNIA, BERKELEY

COLWELL, ROBERT K; *COLLABORATIVE RESEARCH ON STRUCTURE OF ECOSYSTEMS, PART 11 (B031195)*; 12 MONTHS $15,000

HUFFAKER, C B; *THE PRINCIPLES, STRATEGIES AND TACTICS OF PEST POPULATION REGULATION AND CONTROL IN MAJOR CROP ECOSYSTEMS (B034718)*; 10 MONTHS $300,000

UNIVERSITY OF CALIFORNIA, DAVIS

BARBOUR, MICHAEL G; *COLLABORATIVE RESEARCH ON STRUCTURE OF ECOSYSTEMS, PART 10 (B031196)*; 12 MONTHS $9,000

UNIVERSITY OF CALIFORNIA, LOS ANGELES

THROWER, NORMAN J W; *COLLABORATIVE RESEARCH ON STRUCTURE OF ECOSYSTEMS, PART 8 (B027154 001)*; 12 MONTHS $27,500

UNIVERSITY OF CALIFORNIA, RIVERSIDE

ASCHMANN, H HOMER; *COLLABORATIVE RESEARCH ON STRUCTURE OF ECOSYSTEMS, PART 9 (B027155 001)*; 12 MONTHS $9,800

DEBACH, PAUL; *THE ROLE OF ENTOMOPHAGOUS INSECTS IN POPULATION REGULATION OF ARMORED SCALE INSECTS (B030843 X00)*; 12 MONTHS $40,000

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

MOLDENKE, ANDREW R; *COLLABORATIVE RESEARCH ON STRUCTURE OF ECOSYSTEMS, PART 12 (B031194)*; 12 MONTHS $14,000

COLORADO

COLORADO STATE UNIVERSITY

VANDYNE, GEORGE M; *ANALYSIS OF STRUCTURE, FUNCTION, AND UTILIZATION OF GRASSLAND ECOSYSTEMS (B031862 X00)*; 12 MONTHS $2,053,000

VAN DYNE, GEORGE M; *ANALYSIS OF STRUCTURE, FUNCTION, AND UTILIZATION OF GRASSLAND ECOSYSTEMS (B031862 X01)*; $2,000

UNIVERSITY OF COLORADO

NICHOLS, HARVEY; *CONTEMPORARY ATMOSPHERIC TRANSPORT AND FALLOUT OF BOREAL FOREST POLLEN IN THE CANADIAN NORTHWEST TERRITORIES (B033497)*; 12 MONTHS $35,500

CONNECTICUT

UNIVERSITY OF CONNECTICUT

LAUGHLIN, WILLIAM S; *ALEUT ADAPTATION TO THE BERING LAND BRIDGE COASTAL CONFIGURATION (B028426 001)*; 12 MONTHS $133,800

DISTRICT OF COLUMBIA

NATIONAL ACADEMY OF SCIENCES

OLIVER, RICHARD H; *SUPPORT OF THE U. S. NATIONAL COMMITTEE FOR THE INTERNATIONAL BIOLOGICAL PROGRAM (C310098 014)*; 11 MONTHS $150,000

SMITHSONIAN INSTITUTION

HURD, PAUL D JR; *COLLABORATIVE RESEARCH ON STRUCTURE OF ECOSYSTEMS, PART 15 (B031191)*; 12 MONTHS $10,600

GEORGIA

UNIVERSITY OF GEORGIA

ROSS, HERBERT H; *COLLABORATIVE RESEARCH ON STRUCTURE OF ECOSYSTEMS, PART 14 (B031192)*; 12 MONTHS $13,200

HAWAII

BERNICE P BISHOP MUSEUM

GRESSITT, J LINSLEY; *COLLABORATIVE RESEARCH ON STABILITY AND EVOLUTION OF ISLAND ECOSYSTEMS (B023075 001)*; 12 MONTHS $118,200

UNIVERSITY OF HAWAII

BERGER, ANDREW J, AND MUELLER-DOMBOIS, D; *COLLABORATIVE RESEARCH ON STABILITY AND EVOLUTION OF ISLAND ECOSYSTEMS (B023230 002)*; 12 MONTHS $205,100

BERGER, ANDREW J; *STABILITY AND EVOLUTION OF ISLAND ECOSYSTEMS (B023230 003)*; 3 MONTHS $5,200

ILLINOIS

UNIVERSITY OF ILLINOIS AT URBANA

SELANDER, RICHARD B; *COLLABORATIVE RESEARCH ON STRUCTURE OF ECOSYSTEMS, PART 16 (B031190)*; 12 MONTHS $11,400

UNIVERSITY OF ILLINOIS AT URBANA-AGRICULTURAL EXPERIMENT STATION

DRAPER, HAROLD H; *NUTRITION OF ESKIMOS IN NORTHERN ALASKA (B028361 001)*; 12 MONTHS $41,800

MARYLAND

ATOMIC ENERGY COMMISSION

NEEL, JAMES V; *AREA PROGRAM IN POPULATION GENETICS (AG00220 002)*; 12 MONTHS $162,200

JOHNS HOPKINS UNIVERSITY

RAY, G CARLETON; *BIOLOGICAL BASIS OF PRODUCTIVITY AND CONSERVATION IN MARINE MAMMALS (B034209)*; 12 MONTHS $64,900

MASSACHUSETTS

HARVARD UNIVERSITY-HERBARIUM

SOLBRIG, OTTO T; *COLLABORATIVE RESEARCH ON STRUCTURE OF ECOSYSTEMS, PART 1 (B027148 001)*; 12 MONTHS $45,300

SOLBRIG, OTTO T; *COLLABORATIVE RESEARCH ON STRUCTURE OF ECOSYSTEMS, PART 3 (B027150 001)*; 12 MONTHS $45,400

NORTH CAROLINA

DUKE UNIVERSITY

CULBERSON, WILLIAM L; *COLLABORATIVE RESEARCH ON STRUCTURE OF ECOSYSTEMS, PART 2 (B031172)*; 12 MONTHS $20,000

PENNSYLVANIA

PENNSYLVANIA STATE UNIVERSITY

BAKER, PAUL T; *COORDINATION OF IRPS IN THE HUMAN ADAPTABILITY COMPONENT OF THE US/IBP (B027932 001)*; 12 MONTHS $75,300

TENNESSEE

OAK RIDGE NATIONAL LABORATORY

AUERBACH, STANLEY I; *ANALYSIS OF THE STRUCTURE AND FUNCTION OF ECOSYSTEMS IN THE DECIDUOUS FOREST BIOME (AG00199 004)*; 12 MONTHS $1,992,300

TEXAS

UNIV OF TEXAS AT AUSTIN

BLAIR, W FRANK; *COLLABORATIVE RESEARCH ON STRUCTURE OF ECOSYSTEMS, PART 6 (B027152 001)*; 12 MONTHS $96,000

BLAIR, W FRANK; *COORDINATION OF INTEGRATED RESEARCH PROGRAMS IN THE ENVIRONMENTAL MANAGEMENT COMPONENT OF THE US/IBP (B027493 001)*; 12 MONTHS $117,600

UTAH

UTAH STATE UNIVERSITY

GOODALL, DAVID W; *ANALYSIS OF STRUCTURE AND FUNCTION OF DESERT ECOSYSTEMS (B032139 X00)*; 12 MONTHS $1,402,000

WASHINGTON

UNIVERSITY OF WASHINGTON

DUGDALE, RICHARD C; *DYNAMICS OF BIOLOGICAL PRODUCTION IN UPWELLING ECOSYSTEMS (B018568 002)*; 12 MONTHS $180,000

GESSEL, STANLEY P; *CONIFEROUS FOREST BIOME (B020963 001)*; 6 MONTHS $166,600

GESSEL, STANLEY; *CONIFEROUS FOREST BIOME, (B020963 002)*; 12 MONTHS $1,270,000

GESSEL, STANLEY; *WESTERN CONIFEROUS FOREST BIOME (B020963 003)*; $37,000

ORIANS, GORDON H; *COLLABORATIVE RESEARCH ON STRUCTURE OF ECOSYSTEMS, PART 13 (B031193)*; 12 MONTHS $35,000

GLOBAL ATMOSPHERIC RESEARCH PROGRAM

CALIFORNIA

UNIVERSITY OF CALIFORNIA, LOS ANGELES

YANAI, MICHIO; *DYNAMICS OF TROPICAL WAVE DISTURBANCES (A031694)*; 24 MONTHS $124,100

MINTZ, YALE, AND ARAKAWA, AKIO; *NUMERICAL SIMULATION OF THE ATMOSPHERIC GENERAL CIRCULATION (A034306 X00)*; 6 MONTHS $130,200

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCRIPPS INSTITUTION OF OCEANOGRAPHY

FOSTER, THEODORE D, AND REARWIN, STEPHEN; *AIR-SEA INTERACTION STUDIES - MEASUREMENT OF THE TOTAL HEAT FLOW FROM THE SEA SURFACE (A027581 001)*; 12 MONTHS $61,000

COLORADO

COLORADO STATE UNIVERSITY

BAER, FERDINAND; *LARGE-SCALE ATMOSPHERIC FLOW UTILIZING SPECTRAL EQUATIONS (A011637 001)*; 12 MONTHS $94,600

COX, STEPHEN K, AND VONDER HAAR, THOMAS H; *REDUCTION AND ANALYSIS OF THE WISCONSIN RADIATION EXPERIMENT DATA COLLECTED DURING BOMEX* (*A018783 001*); $14,300

COX, STEPHEN K, AND VONDER HAAR, THOMAS H; *REDUCTION AND ANALYSIS OF THE WISCONSIN RADIATION EXPERIMENT DATA COLLECTED DURING BOMEX* (*A018783 002*); $20,200

VONDER HAAR, THOMAS H; *USE OF SATELLITE OBSERVATIONS IN SUPPORT OF THE SCIENCE OBJECTIVES OF METEOROLOGICAL FIELD PROGRAMS* (*A031588*); 12 MONTHS $36,500

GRAY, WILLIAM M; *STUDIES OF CUMULUS HEATING AND THE CISK MECHANISM* (*A032589 X00*); 12 MONTHS $88,200

RIEHL, HERBERT; *MESOSCALE ASPECTS OF SYNOPTIC DISTURBANCES OVER A TROPICAL CONTINENT* (*A033182*); 12 MONTHS $29,400

CONNECTICUT

CENTER FOR THE ENVIRONMENT AND MAN INC

PANDOLFO, JOSEPH P; *NUMERICAL MODEL STUDIES OF THE PLANETARY BOUNDARY LAYERS OF THE ATMOSPHERE AND OCEANS* (*A027942 001*); $44,200

ROBINSON, G D; *VALIDITY OF METEOROLOGICAL PREDICTION EQUATIONS AND THE SPECTRUM OF ATMOSPHERIC MOTION* (*A028417 001*); $16,600

DISTRICT OF COLUMBIA

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

SIEVERS, JOHN R; *ACTIVITIES OF THE U. S. COMMITTEE FOR THE GLOBAL ATMOSPHERIC RESEARCH PROGRAM* (*C310197 001*); 12 MONTHS $26,700

FLORIDA

FLORIDA STATE UNIVERSITY

KRISHNAMURTI, T N; *GLOBAL TROPICAL WEATHER SYSTEMS* (*A017822 001*); 24 MONTHS $117,000

KRISHNAMURTI, T N; *GLOBAL TROPICAL WEATHER SYSTEMS* (*A017822 002*); $4,100

STEPHENS, JESSE J; *FOUR-DIMENSIONAL METEOROLOGICAL DATA ANALYSIS FOR THE GLOBAL ATMOSPHERIC RESEARCH PROGRAM* (*A031234*); 24 MONTHS $34,900

GLEESON, THOMAS A; *PREDICTABILITY IN METEOROLOGY* (*A032535*); 24 MONTHS $46,800

UNIVERSITY OF MIAMI-SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES

PROSPERO, JOSEPH M; *A STUDY OF THE STRUCTURE AND DYNAMICS OF THE AFRICAN DUST LAYER OVER THE EQUATORIAL ATLANTIC OCEAN DURING BOMEX* (*A031104*); 12 MONTHS $24,500

ESTOQUE, MARIANO A; *WAVE DISTURBANCES IN THE TROPICAL ATLANTIC* (*A031645*); 12 MONTHS $50,900

KRAUS, ERIC B; *PATTERNS OF CONVECTION AND THE EVOLUTION OF STRATIFICATION IN LOW LATITUDES* (*A034944*); 12 MONTHS $110,000

ILLINOIS

UNIVERSITY OF CHICAGO

FUJITA, T THEODORE; *MESOSCALE CLOUD-MOTION FIELDS FOR GATE/GARP PROGRAM* (*A031589*); 24 MONTHS $91,200

KAPLAN, LEWIS D; *INFRARED FLUX IN THE EARTH'S ATMOSPHERE* (*A032934*); 24 MONTHS $113,100

MARYLAND

UNIVERSITY OF MARYLAND, COLLEGE PARK

RODENHUIS, DAVID R; *EQUATORIAL WAVES DRIVEN BY CONVECTION* (*A032778*); 24 MONTHS $39,900

MASSACHUSETTS

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LORENZ, EDWARD N; *INVESTIGATION OF THE PREDICTABILITY OF THE ATMOSPHERE AND OTHER SYSTEMS* (*A028203 X01*); 12 MONTHS $55,500

CHARNEY, JULE G; *DYNAMICS OF LARGE-SCALE ATMOSPHERIC AND OCEANIC PROCESSES* (*A028724 X01*); 12 MONTHS $132,100

OCEAN-ATMOSPHERE RESEARCH INSTITUTE

SCHELL, IRVING I; *LARGE-SCALE INERTIAL OCEAN-ATMOSPHERE RELATIONSHIPS AND THEIR SIGNIFICANCE FOR LONG-RANGE FORESHADOWING* (*A017802 002*); 24 MONTHS $79,200

WOODS HOLE OCEANOGRAPHIC INSTITUTION

BUNKER, A F; *TURBULENCE AND FLUXES IN THE BOUNDARY LAYERS OF UNDISTURBED AND DISTURBED TRADE WINDS* (*A031568*); 12 MONTHS $51,400

NEW HAMPSHIRE

KRAICHNAN, ROBERT H; *TURBULENCE DYNAMICS AND PREDICTABILITY* (*A028640 001*); 12 MONTHS $18,000

NEW YORK

NEW YORK UNIVERSITY

DELAND, RAYMOND J; *FLUCTUATIONS OF PLANETARY-SCALE WAVES* (*A025820 001*); 4 MONTHS $13,600

DELAND, RAYMOND J; *FLUCTUATIONS OF PLANETARY-SCALE WAVES* (*A025820 002*); 2 MONTHS $22,000

OKLAHOMA

UNIVERSITY OF OKLAHOMA

EDDY, AMOS; *STATISTICAL ASPECTS OF METEOROLOGICAL DATA ARCHIVING* (*A016034 001*); 24 MONTHS $108,000

SASAKI, YOSHIKAZU; *WEATHER AND ENVIRONMENTAL ANALYSIS TECHNIQUES DEVELOPMENT PROGRAM* (*A030976*); 24 MONTHS $104,000

OREGON

OREGON STATE UNIVERSITY

BURT, WAYNE V; *MESOSCALE WIND FIELD OVER THE UPWELLING AREA OFF THE OREGON COAST* (*A028004 001*); $16,100

VIRGINIA

UNIVERSITY OF VIRGINIA

GARSTANG, MICHAEL; *TURBULENT STRUCTURE OF THE LOW LATITUDE SUBCLOUD LAYER* (*A031601*); 12 MONTHS $115,000

WASHINGTON

UNIVERSITY OF WASHINGTON

REED, RICHARD J, AND WALLACE, JOHN M; *GLOBAL METEOROLOGY* (*A032439*); 24 MONTHS $206,700

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

HOUGHTON, DAVID D; *THEORY AND TECHNIQUES OF GLOBAL INITIALIZATION FOR NUMERICAL PREDICTION MODELS* (*A012112 002*); 24 MONTHS $87,700

YOUNG, JOHN A; *THEORETICAL AND NUMERICAL STUDIES ON THE DYNAMICS OF WIND SYSTEMS* (*A030676*); 12 MONTHS $39,400

MARTIN, DAVID W, AND SIKDAR, DHIRENDRA N; *DYNAMIC AND THERMODYNAMIC FEATURES OF ATS OBSERVED ATLANTIC CLOUD CLUSTERS* (*A032496*); 12 MONTHS $47,300

INTERNATIONAL COOPERATIVE SCIENTIFIC ACTIVITIES

COOPERATIVE SCIENCE PROGRAMS

ALASKA

UNIVERSITY OF ALASKA-GEOPHYSICAL INSTITUTE

BENSON, CARL S; *METAMORPHISM OF SNOW AND ITS TRANSFORMATION INTO GLACIER ICE IN PACIFIC AND ARCTIC AREAS* (*F029985*); 23 MONTHS $10,500

ARKANSAS

UNIVERSITY OF ARKANSAS

BLYHOLDER, GEORGE; *DEVELOPING THEORETICAL MODELS OF ABSORPTION* (*F033141*); 12 MONTHS $14,500

CALIFORNIA

SOLOMON, HAROLD; *INFLUENCE ON THE DEVELOPMENT OF THE KUROSHIO MEANDER SOUTH OF HONSHU* (*F000446*); 12 MONTHS $7,400

KENNEDY, GEORGE C; *INDIA-U.S. EXCHANGE OF SCIENTISTS* (*F030024*); 6 MONTHS $1,430

ASIA FOUNDATION

PIERSON, HARRY H; *SCIENTIFIC AND TECHNICAL PROGRAMS WITH THE REPUBLIC OF CHINA* (*F035011*); 24 MONTHS $75,000

STANFORD UNIVERSITY

ASHLEY, HOLT; *COLLABORATIVE RESEARCH IN THE FIELD OF DYNAMIC AEROELASTICITY* (*F035004*); 12 MONTHS $23,800

UNIVERSITY OF CALIFORNIA, BERKELEY

SNYDER, WILLIAM C; *TAXONOMY AND NOMENCLATURE OF 'GIBBERELLA (FUSARIUM) MONILIFORME'* (*F000398 001*); 24 MONTHS $5,000

SATIR, PETER; *CELLULAR CONTROL OF CILIARY MOTION* (*F033165*); 9 MONTHS $4,200

UNIVERSITY OF CALIFORNIA, DAVIS

RYUGO, KAY; *FUNGAL ISOLATES OF CERATOCYSTSIS FIMBRIATA* (*F033164*); 7 MONTHS $12,100

COLORADO

FELLER, EDUARDO; *OTHER PROGRAM AWARDS (01AWDS)*; 10 MONTHS $21,450

COLORADO SCHOOL OF MINES

LEROY, L W; *ENGINEERING GEOLOGY, SUBSURFACE GEOLOGY, PHOTOGEOLOGY AND SELENOLOGY (F000445)*; 10 MONTHS $13,400

COLORADO STATE UNIVERSITY

SHEN, HSIEH WEN; *RIVER MECHANICS (F033209)*; 12 MONTHS $15,700

CONNECTICUT

UNIVERSITY OF CONNECTICUT

BOHN, ROBERT K; *BOND LENGTHS IN STRAINED COMPOUNDS (F029984)*; 12 MONTHS $18,300

DISTRICT OF COLUMBIA

SINGH, NARINDER M; *INDIA-UNITED STATES EXCHANGE OF SCIENTISTS (F030755)*; 6 MONTHS $2,064

UDUPA, H V K; *INDIA-UNITED STATES EXCHANGE OF SCIENTISTS (F031285)*; 2 MONTHS $1,585

JAYARAMAN, R; *INDIA-U.S. EXCHANGE OF SCIENTISTS (F032551)*; 2 MONTHS $1,820

NONE; *OTHER PROGRAM AWARDS (07AWDS)*; $104,509

AMERICAN ASSOCIATION FOR ADVANCEMENT SCIENCE

BEVAN, WILLIAM; *EXCHANGE OF SCIENTISTS WITH THE ALL-UNION SOCIETY 'ZNANIYE' U.S.S.R. (F031825*)*; 36 MONTHS $16,050

AMERICAN CHEMICAL SOCIETY

WALL, FREDERICK T; *AN EMINENT SCIENTIST EXCHANGE PROGRAM INVOLVING CHEMISTS FROM THE UNITED STATES AND JAPAN (F032547)*; 24 MONTHS $24,600

CARNEGIE INSTITUTION OF WASHINGTON

SACKS, I SELWYN; *HIGH SENSITIVITY STRAIN MEASUREMENT IN AN EARTHQUAKE REGION, USING BOREHOLE STRAINMETERS (F000428 001)*; 12 MONTHS $2,500

COURTESY TRAVEL SERVICE

MARILLEY, JANE E; *ADMINISTRATIVE SERVICES IN SUPPORT OF INTERNATIONAL SCIENCE ACTIVITIES SPONSORED BY THE NATIONAL SCIENCE FOUNDATION (C374000 011)*; $176,000

MARILLEY, JANE E; *ADMINISTRATIVE SERVICES IN SUPPORT OF INTERNATIONAL SCIENCE ACTIVITIES SPONSORED BY THE NATIONAL SCIENCE FOUNDATION (C374000 013)*; 5 MONTHS $104,000

MARILLEY, JANE E; *ADMINISTRATIVE SERVICES IN SUPPORT OF INTERNATIONAL SCIENCE ACTIVITIES SPONSORED BY THE NATIONAL SCIENCE FOUNDATION (C374000 014)*; $25,000

DEPARTMENT OF LABOR

PASCHKE, PAUL; *PLACEMENT AND SUPPORT OF ROMANIAN TRAINEES IN THE UNITED STATES UNDER THE NSF ADMINISTERED U.S.-ROMANIA SCIENCE AND TECHNOLOGY EXCHANGE AND COOPERATION PROGRAM (CA65000)*, 12 MONTHS $12,000

NATIONAL ACADEMY OF SCIENCES

RABINOWITCH, VICTOR; *PARTIAL SUPPORT OF A U.S.-BRAZILIAN PROGRAM FOR BRAZILIAN DEVELOPMENT OF POSTGRADUATE RESEARCH IN CHEMISTRY (C310164 002)*; 12 MONTHS $47,400

RABINOWITCH, VICTOR; *PARTIAL SUPPORT OF A U.S.-BRAZILIAN PROGRAM FOR BRAZILIAN DEVELOPMENT OF POST-GRADUATE RESEARCH IN CHEMISTRY (C310164 003)*; 12 MONTHS $54,000

TODD, W MURRAY; *JOINT SYMPOSIUM ON SCIENCE POLICY WITH BULGARIAN ACADEMY OF SCIENCES (C310238)*; 4 MONTHS $22,800

KEATLEY, ANN; *EXCHANGE OF SCIENTISTS BETWEEN THE UNITED STATES AND THE PEOPLE'S REPUBLIC OF CHINA (C310249)*; 12 MONTHS $100,000

DEPT. OF COMMERCE-OFFICE OF SECRETARY-DOC

WAKELIN, JAMES H JR; *A CTAB STUDY OF TECHNOLOGICAL TRANSFER TO DEVELOPING COUNTRIES (AG00274)*; 12 MONTHS $25,000

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

MITCHELL, LAWRENCE C; *EXCHANGE OF SCIENTISTS BETWEEN THE NATIONAL ACADEMY OF SCIENCES, U.S.A., AND THE ACADEMIES OF THE UNION OF SOVIET SOCIALIST REPUBLICS, POLAND, YUGOSLAVIA, ROMANIA, HUNGARY, CZECHOSLOVAKIA, AND BULGARIA (C310039 012)*; 13 MONTHS $913,364

FLORIDA

UNIVERSITY OF MIAMI-SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES

ESTOQUE, MARIANO; *MESOMETEOROLOGICAL EFFECTS OF LAKE ONTARIO (F033208)*; 24 MONTHS $2,400

GEORGIA

UNIVERSITY OF GEORGIA

JANZEN, EDWARD G; *SPIN TRAPPING OF DIRADICALS (F031922)*; 6 MONTHS $9,400

HERZ, NORMAN; *RADIOCARBON AGE DATING OF THE BLACK SEA PLATFORM AND THE DANUBE DELTA OF ROMANIA (F035002)*; 24 MONTHS $5,500

HAWAII

UNIVERSITY OF HAWAII

ADEY, WALTER H, AND WOOLLARD, GEORGE P; *A QUANTITATIVE ECOLOGICAL COMPARISON OF THE COAST OF HOKKAIDO AND THE NORTH ATLANTIC BASED ON CRUSTOSE CORALLINES (F031117)*; 12 MONTHS $3,000

HSIAO, SIDNEY C; *DEVELOPMENTAL BIOLOGY (F031218)*; 10 MONTHS $18,526

ABRAMSON, NORMAN; *PACIFIC EDUCATIONAL COMPUTER NETWORK STUDY (J033220*)*; 24 MONTHS $5,500

ILLINOIS

UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER

OMACHI, AKIRA; *STUDIES IN PYRIDINE NUCLEOTIDE BIOCHEMISTRY (F032308)*; 6 MONTHS $2,200

UNIVERSITY OF ILLINOIS AT URBANA

WERT, CHARLES A, AND ALTSTETTER, CARL J; *THE INTERACTION OF PLASTIC DEFORMATION AND IRRADIATION WITH PRECIPITATES IN BCC ALLOYS (F029983)*; 24 MONTHS $1,400

INDIA

DORAISWAMY, L K; *INDIA-UNITED STATES EXCHANGE OF SCIENTISTS (F031486)*; 2 MONTHS $2,004

PAKRASHI, SATYESH C; *INDIA- UNITED STATES EXCHANGE OF SCIENTISTS (F032549)*; 3 MONTHS $3,130

CENTRAL GLASS & CERAMICS RESEARCH INSTITUTE

MUKERJI, J; *INDIA-UNITED STATES EXCHANGE OF SCIENTISTS (F032201 X00)*; 6 MONTHS $2,820

IOWA

UNIVERSITY OF IOWA

GORDON, GILBERT; *EFFECT OF ANIONS AND PHOTO-CHEMICALLY PRODUCED INTERMEDIATES ON THE URANIUM EXCHANGE REACTIONS (F031519)*; 24 MONTHS $2,600

KANSAS

KANSAS STATE UNIVERSITY

FAN, LIANG-TSENG; *SYSTEMS ENGINEERING APPROACH TO THE ENVIRONMENTAL POLLUTION CONTROL (F030529)*; 24 MONTHS $5,600

LOUISIANA

COWIN, S C; *INDIA-U.S. EXCHANGE OF SCIENTISTS (F032550)*; 1 MONTHS $1,540

MARYLAND

KLAYMAN, DANIEL L; *INDIA-UNITED STATES EXCHANGE OF SCIENTISTS (F031860)*; 2 MONTHS $1,390

NONE; *OTHER PROGRAM AWARDS (03AWDS)*; $15,062

AMERICAN TYPE CULTURE COLLECTION

HWANG, SHUH-WEI; *FEEDING HABITS OF THE GREY MULLET FRY AND ALGAE CULTURE FOR FEEDING EXPERIMENTS (F031351)*; 7 MONTHS $2,400

JOHNS HOPKINS UNIVERSITY-SCHOOL OF HYGIENE & PUBLIC HEALTH

COMSTOCK, GEORGE W; *COMPARATIVE STUDY OF RISK FACTORS (ENVIRONMENTAL AND BIOLOGIC) AFFECTING CARDIOVASCULAR AND RESPIRATORY DISORDERS (F032220)*; 24 MONTHS $9,200

MASSACHUSETTS

HARVARD UNIVERSITY

RAMSEY, NORMAN F; *A NEUTRON ELECTRIC DIPOLE MOMENT EXPERIMENT AT GRENOBLE (F031169*)*; 48 MONTHS $11,100

KUNO, SUSUMU; *COMPUTER INPUT-OUTPUT OF CHINESE CHARACTERS (F031409)*; 24 MONTHS $7,200

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

DRESSELHAUS, MILDRED S; *ELECTRONIC PROPERTIES OF GRAPHITE (F031984)*; 24 MONTHS $5,500

MICHIGAN

MICHIGAN STATE UNIVERSITY

WANG, CHANG-YI; *PERTURBATION METHODS OF APPLIED MATHEMATICS (F000444)*; 9 MONTHS $17,900

WAYNE STATE UNIVERSITY

KIRSCHNER, STANLEY; *CONFERENCE ON IMPROVING INTERNATIONAL COOPERATION IN SCIENCE (F034748)*; 6 MONTHS $5,500

KIRSCHNER, STANLEY; *BIOINORGANIC CHEMISTRY- COMPOUNDS OF ANTIVIRAL AND ANTICANCER EFFECT, COMPLEXES OF SMALL MOLECULES (F035003)*; 36 MONTHS $81,500

NEW HAMPSHIRE

DARTMOUTH COLLEGE

HUGGINS, ELISHA R; *LOW TEMPERATURE PHYSICS- QUANTUM FLUIDS (F031350)*; 10 MONTHS $14,400

NEW YORK

HORECKER, BERNARD L; *INDIA-U.S. EXCHANGE OF SCIENTISTS (F030490)*; 6 MONTHS $1,002

BROOKHAVEN LABORATORY

HOUGH, P V C; *DEVELOPMENT AND FABRICATION OF AN AUTOMATIC MEASURING DEVICE (FLYING IMAGE DIGITIZER) FOR BUBBLE CHAMBER PHOTOGRAPHS (AG00278)*; 24 MONTHS $5,500

COLUMBIA UNIVERSITY

EBREY, THOMAS G; *BIOPHYSICAL STUDIES OF VISUAL PIGMENTS (F031455)*; 9 MONTHS $8,000

NEW YORK MEDICAL COLLEGE

ASANUMA, HIROSHI; *MOTOR CONTROL (F031250)*; 24 MONTHS $5,800

ASANUMA, HIROSHI; *MOTOR CONTROL (F031250 001)*; $1,100

RENSSELAER POLYTECHNIC INSTITUTE

GERHARDT, LESTER A; *ADAPTIVE PROCESSING, FILTERING, AND DESIGN OF DIGITAL SIGNALS (F032548)*; 24 MONTHS $4,400

WANG, LEON R L; *CONTEMPORARY STRUCTURAL RESEARCH, ANALYSIS AND DESIGN (F033199)*; 11 MONTHS $15,500

LING, FREDERICK F; *FLUID MECHANICS AND TURBULENCE WITH APPLICATIONS IN TRIBOLOGY (F035005)*; 24 MONTHS $53,400

COLUMBIA UNIVERSITY-COLLEGE OF PHYSICIANS AND SURGEONS

WANG, HSUEH-HWA; *CARDIOVASCULAR PHARMACOLOGY/CNS CONTROL OF REGIONAL BLOOD FLOW IN MONKEYS (F030792)*; 6 MONTHS $2,200

OKLAHOMA

OKLAHOMA STATE UNIVERSITY

HADY, M ABDEL, AND MUSTAFA, HASAN; *APPLICATIONS OF MODERN AIRBORNE REMOTE SENSING AND AERIAL RECONNAISSANCE TECHNIQUES TO AGRICULTURE AND REGIONAL DEVELOPMENT (F031866 001*)*; 12 MONTHS $2,800

PENNSYLVANIA

MALENBAUM, WILFRED; *INDIA-UNITED STATES EXCHANGE OF SCIENTISTS (F030025)*; 6 MONTHS $1,370

FILACHIONE, EDWARD M; *INDIA-UNITED STATES EXCHANGE OF SCIENTISTS (F033246)*; 3 MONTHS $1,400

UNIVERSITY OF PITTSBURGH

FULLER, MICHAEL, AND SCHMIDT, VICTOR A; *INVESTIGATIONS OF THE FIELD REVERSALS USING TERTIARY INTRUSIVE ROCKS EXPOSED IN THE CIRCUM-PACIFIC REGIONS (F032218)*; 24 MONTHS $5,500

LYNCH, RICHARD V III; *BIOCHEMICAL STUDIES OF LIGHT-EMITTING COMPONENTS OF JAPANESE FISH AND CRUSTACEA (F032307)*; 12 MONTHS $12,200

PRATT, RICHARD H, AND GAVRILA, MIHAI; *COOPERATIVE STUDIES OF PHOTON ABSORPTION IN MATTER (F034985)*; 36 MONTHS $71,900

UNIVERSITY OF PENNSYLVANIA-SCHOOL OF MEDICINE

YONETANI, TAKASHI, AND BRITTON, CHANCE; *MAGNETIC, OPTICAL, AND KINETIC PROPERTIES OF HEMOPROTEINS (F031520)*; 24 MONTHS $5,200

TENNESSEE

DUCKETT, KERMIT E; *INDIA-U.S. EXCHANGE OF SCIENTISTS (F031679)*; 6 MONTHS $1,140

PURCELL, WILLIAM P; *INDIA-U.S. EXCHANGE OF SCIENTISTS (F033213)*; 12 MONTHS $1,510

TEXAS

UNIV OF TEXAS AT DALLAS

COLLINS, CARL B; *A U.S. - ROMANIAN JOINT RESEARCH PROJECT ON ATOMIC AND PLASMA PHYSICS (F000443 001)*; 24 MONTHS $113,150

VIRGINIA

DICKEY, JOHN W; *INDIA-U.S. EXCHANGE OF SCIENTISTS (F030385)*; 1 MONTHS $1,420

NONE; *OTHER PROGRAM AWARDS (02AWDS)*; $38,411

VIRGINIA POLYTECHNIC INSTITUTE

GOTOW, KAZUO; *NUCLEON MOMENTUM DISTRIBUTION AND NUCLEON RESONANCE IN ELECTRON NUCLEAR SCATTERING (F031249)*; 10 MONTHS $15,200

WASHINGTON

UNIVERSITY OF WASHINGTON

FARNER, DONALD S; *ENVIRONMENT AND NEUROENDOCRINE FUNCTION (F033334)*; 24 MONTHS $6,700

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

MYERS, PHILLIP S, BORMAN, GARY L, NEWHALL, HENRY K, AND UYEHARA, OTTO A; *UNDERSTANDING AND CONTROLLING EXHAUST POLLUTANTS FROM INTERNAL COMBUSTION ENGINES (F035006 X00)*; 12 MONTHS $50,200

U.S. PARTICIPATION IN PLANNING AND DEVELOPING INT'L SCIENCE PROJECTS

DISTRICT OF COLUMBIA

NATIONAL ACADEMY OF SCIENCES

ROWAN, EDMUND C; *INTERNATIONAL ORGANIZATIONS AND PROGRAMS PROJECT (C310040 011)*; 12 MONTHS $344,000

KELLERMANN, HENRY J; *PARTIAL SUPPORT OF THE COMMITTEE FOR INTERNATIONAL ENVIRONMENTAL PROGRAMS (C310195 005*)*; 9 MONTHS $30,000

DUNHAM, CHARLES L; *U.S. NATIONAL COMMITTEE FOR THE INTERNATIONAL BRAIN RESEARCH ORGANIZATION (IBRO) (C310244*)*; 12 MONTHS $1,400

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

MITCHELL, LAWRENCE C; *SUPPORT OF SPECIAL COMMITTEE FOR THE CELEBRATION OF THE COPERNICUS QUINQUECENTENNIAL (C310220)*; 28 MONTHS $8,000

DYER, EDWARD R, AND WOOD, GEORGE W; *TASK ORDER FOR SUPPORT OF THE U.S. NATIONAL COMMITTEES FOR THE INTERNATIONAL ASTRONOMICAL UNION AND THE INTERNATIONAL UNION OF THEORETICAL AND APPLIED MECHANICS (C310227)*; 12 MONTHS $18,400

ODISHAW, HUGH; *FOURTEENTH GENERAL ASSEMBLY OF THE INTERNATIONAL UNION OF PURE AND APPLIED PHYSICS (C310236)*; 16 MONTHS $19,000

BERG, JOSEPH W JR; *U.S. EXHIBIT FOR THE INTERNATIONAL GEOGRAPHICAL CONGRESS (C310246)*; 12 MONTHS $4,657

DILLON, ROBERT M; *SUPPORT OF UNITED STATES PARTICIPATION IN THE SECOND INTERNATIONAL CONFERENCE ON PERMAFROST, YAKUTSK, USSR, JULY 1973 (C310247)*; 18 MONTHS $77,600

MARYLAND

UNIVERSITY OF MARYLAND, COLLEGE PARK

GARDNER, MARJORIE; *INTERNATIONAL CONFERENCE ON THE EDUCATION OF TEACHERS FOR INTEGRATED SCIENCE (F034643)*; 24 MONTHS $5,000

MASSACHUSETTS

AMERICAN ACADEMY OF ARTS AND SCIENCES

VOSS, JOHN; *SUPPORT OF U.S. JOINT COMMITTEE FOR THE INTERNATIONAL CENTRE OF INSECT PHYSIOLOGY AND ECOLOGY IN NAIROBI, KENYA (ICIPE) (F000407 002)*; 12 MONTHS $24,200

MINNESOTA

INTERNATIONAL STUDIES ASSOCIATION

SLOUKA, ZDENEK, AND TURNER, JOHN; *PARTIAL SUPPORT OF PARTICIPANTS IN THE ROUNDTABLE ON STUDIES IN WORLD SCIENCE AND TECHNOLOGY AFFAIRS, MARCH 17, 1972, DALLAS, TEXAS (F033272)*; 6 MONTHS $1,400

TENNESSEE

UNIVERSITY OF TENNESSEE, KNOXVILLE

OLSON, JERRY S; *INTERNATIONAL WORKSHOPS ON ANALYSIS OF WORLD ECOSYSTEMS (F034679)*; 12 MONTHS $15,000

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

HASLER, ARTHUR D; *SUPPORT FOR INTERNATIONAL ASSOCIATION FOR ECOLOGY (F028723 X01*)*; 12 MONTHS $30,000

INTERNATIONAL TRAVEL PROGRAM

ALABAMA

LAMOREAUX, PHILIP E; *TO ATTEND- MEETING OF THE I.A.H. COMMITTEE ON HYDROGEOLOGY OF KARST, BEING HELD IN MONTPELLIER, FRANCE, SEPTEMBER 27 - OCTOBER 2, 1971 (A031013)*; 6 MONTHS $630

LEAR, W EDWARD; *TRAVEL TO- DEVELOP COOPERATIVE PROJECT WITH SCIENTISTS AT THE UNIVERSITY OF TEHRAN (F034854)*; 6 MONTHS $952

ABRAMSON, H N; *TRAVEL TO ATTEND- SYMPOSIUM ON FLOW-INDUCED STRUCTURAL VIBRATIONS, KARLSRUHE, GERMANY, AUGUST 14-16, 1972 (K035000)*; 6 MONTHS $200

COLBURN, CHARLES B; *TRAVEL TO ATTEND- ANNUAL MEETING OF THE CHEMICAL SOCIETY, MANCHESTER, ENGLAND, APRIL 10-14, 1972 (P032392)*; 6 MONTHS $452

ARIZONA

MORRIS, THOMAS M; *TRAVEL TO ATTEND- JOINT MEETING OF THE MINING AND METALLURGICAL INSTITUTE OF JAPAN AND THE AMERICAN INSTITUTE OF MINING AND METALLURGICAL ENGINEERS, TOKYO, JAPAN, MAY 24-28, 1972 (H033123)*; 6 MONTHS $860

HUELSMAN, LAWRENCE P; *TO ATTEND- THE SUMMER SCHOOL ON CIRCUIT THEORY 1971, TALE, LOW TATRA MOUNTAINS, CZECHOSLOVAKIA, SEPTEMBER 13-18, 1971 (K030440)*; 6 MONTHS $250

MATTSON, ROY H; *TRAVEL TO ATTEND- POPOV SOCIETY MEETING, MOSCOW, USSR, MAY 1972 (K032936)*; 6 MONTHS $700

HALL, H K JR; *TRAVEL - TO VISIT PROMINENT EUROPEAN POLYMER RESEARCH INSTITUTES, IN ENGLAND, BELGIUM AND FRANCE, APRIL 10-24, 1972 (P032449)*; 6 MONTHS $52

FELTEN, JAMES E; *TRAVEL SUPPORT TO ATTEND- SYMPOSIUM ON X- AND GAMMA-RAY ASTRONOMY (NON-SOLAR), MADRID, SPAIN, MAY 11-13, 1972 (P034498)*; 6 MONTHS $736

FIFE, PAUL C; *TO ATTEND- CZECHOSLOVAK CONFERENCE ON DIFFERENTIAL EQUATIONS AND THEIR APPLICATIONS, BRND, CZECHOSLOVAKIA, AUGUST 28-SEPTEMBER 2, 1972 (P034958)*; 6 MONTHS $942

O'DONOVAN, PATRICK J; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON DUALITY IN ELEMENTARY PARTICLES, LOUVAIN, BELGIUM, AUGUST 30 - SEPTEMBER 16, 1971 (Z002245)*; 6 MONTHS $564

SYLVESTER, GARRETT S; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON MATHEMATICS OF CONTEMPORARY PHYSICS, LONDON, ENGLAND, AUGUST 23 - SEPTEMBER 11, 1971 (Z002249)*; 6 MONTHS $193

CALIFORNIA

NELSON, CARLTON HANS; *TO ATTEND- A CONFERENCE ON PORT AND OCEAN ENGINEERING UNDER ARCTIC CONDITIONS, TRONDHEIM, NORWAY, AUGUST 23-30, 1971 AND THE EIGHTH INTERNATIONAL SEDIMENTOLOGICAL CONGRESS, HEIDELBERG, GERMANY, AUGUST 30 - SEPTEMBER 4, 1971 (A030129)*; 6 MONTHS $645

INGLE, JAMES C JR; *TO ATTEND- THE EIGHTH INTERNATIONAL SEDIMENTOLOGICAL CONGRESS, HEIDELBERG, WEST GERMANY, AUGUST 30 - SEPTEMBER 4, 1971 (A030331)*; 6 MONTHS $622

BANDY, ORVILLE L; *TO ATTEND- THE TWELFTH MICROPALEONTOLOGICAL COLLOQUIUM, UKRANIAN SSR AND MOLDAVIAN SSR, U.S.S.R., SEPTEMBER 18-28, 1971 (A030577)*; 6 MONTHS $1,066

TYLER, JOHN E; *TO ATTEND- THE SYMPOSIUM ON AQUATIC PHOTOBIOLOGY, LONDON, ENGLAND, JANUARY 19-20, 1972 (A031806)*; 6 MONTHS $473

SMITH, RAYMOND C; *TRAVEL TO ATTEND- SYMPOSIUM ON OPTICS OF THE SEA, COPENHAGEN, DENMARK JUNE 19-23, 1972 (A033002)*; 6 MONTHS $782

EWART, TERRY E; *TRAVEL TO ATTEND- SYMPOSIUM OF THE INTERNATIONAL COUNCIL FOR THE EXPLORATION OF THE SEA (ICES), AARHUS, DENMARK, JULY 4-7, 1972 (A033004)*; 6 MONTHS $718

AUSTIN, ROSWELL W; *TRAVEL TO ATTEND- SYMPOSIUM ON OPTICAL ASPECTS OF OCEANOGRAPHY, COPENHAGEN, DENMARK, JUNE 19-23, 1972 (A033254)*; 6 MONTHS $487

THORNE, RICHARD M; *TRAVEL TO ATTEND- COSPAR (SYMPOSIUM ON CRITICAL PROBLEMS OF MAGNETOSPHERIC PHYSICS), MADRID, SPAIN, MAY 10-24, 1972 (A033481)*; 6 MONTHS $755

MOZER, FORREST S; *TRAVEL TO ATTEND- COSPAR, FIFTEENTH PLENARY MEETING, MADRID, SPAIN, MAY 10-24, 1972 (A033483)*; 6 MONTHS $792

BANDY, ORVILLE L; *TRAVEL TO ATTEND- INTERNATIONAL COLLOQUIUM ON THE BOUNDARY BETWEEN NEOGENE AND QUATERNARY, KISHINEV AND TBILISI, U.S.S.R., MAY 22-JUNE 4, 1972 (A034025)*; 6 MONTHS $885

NEIBURGER, MORRIS; *TO ATTEND- THE INTERNATIONAL CLOUD PHYSICS CONFERENCE, LONDON, ENGLAND, AUGUST 21-26, 1972 (A034989)*; 6 MONTHS $595

COOPER, CHARLES F; *TO ATTEND- UNESCO INTERGOVERNMENTAL COORDINATING COUNCIL, PARIS, FRANCE, NOVEMBER 8-19, 1971 (B031595)*; 6 MONTHS $1,110

WOODWARD, DOW O; *TO ATTEND- GOLDEN JUBILEE OF THE INDIAN INSTITUTE OF SCIENCE, BANGALORE, INDIA, DECEMBER 5-8, 1971 (B031600)*; 6 MONTHS $1,350

AXELROD, DANIEL I; *TO ATTEND- SILVER JUBILEE OF THE BIRBAL SAHNI INSTITUTE OF PALEOBOTANY, LUCKNOW, INDIA, DECEMBER 5-11, 1971 (B031654)*; 6 MONTHS $1,260

GREEN, MELVIN M; *SECOND CONFERENCE OF THE U.S.S.R., SOCIETY OF GENETICS AND SELECTION, MOSCOW, USSR, JANUARY 31-FEBRUARY 5, 1972 (B032026)*; 6 MONTHS $703

SYPHERD, PAUL S; *TRAVEL TO ATTEND- EUROPEAN MOLECULAR BIOLOGY ORGANIZATION WORKSHOP ON RIBOSOMES, FRANCE, APRIL 1972 (B033245)*; 6 MONTHS $748

COHN, MELVIN; *TRAVEL TO ATTEND- BIOCHEMISTRY OF GENE EXPRESSION IN HIGHER ORGANISMS, AUSTRALIA, MAY 1972 (B033982)*; 6 MONTHS $537

CAMPBELL, J A; *TRAVEL TO ATTEND- THIRD NATIONAL CONGRESS OF YUGOSLAV CHEMISTS, LJUBLJANA, YUGOSLAVIA, JUNE 12-17, 1972 (F034604)*; 6 MONTHS $516

POLLAK, MICHAEL; *TO ATTEND- MEETING ON AMORPHOUS AND LIQUID SEMICONDUCTORS, LONDON, ENGLAND, DECEMBER 17-18, 1971 (H031888 001)*; $182

HARRISON, WALTER A; *TRAVEL SUPPORT TO ATTEND- THE SPRING SCHOOL 1972 ON THE ELECTRONIC STRUCTURE OF ALLOYS AND TRANSITION METALS, GAUSSIG, GERMAN DEMOCRATIC REPUBLIC, APRIL 1972 (H032816)*; 6 MONTHS $879

GOODKIND, JOHN M; *TRAVEL SUPPORT TO ATTEND- THE EUROPHYSICS STUDY CONFERENCE, ALBE', FRANCE, APRIL 11-14, 1972 (H032851)*; 6 MONTHS $820

HUMPHREY, FLOYD B; *TRAVEL TO ATTEND- INTERNATIONAL CONFERENCE ON MAGNETICS, KYOTO AND THE INTERNATIONAL (FIFTH) COLLOQUIM ON MAGNETIC THIN FILMS, MT. FUJI AREA, JAPAN, APRIL 10-19, 1972 (H033095)*; 6 MONTHS $740

PORTIS, ALAN M; *TRAVEL TO ATTEND- MEETING ON PERSPECTIVES FOR HYPERFINE INTERACTIONS IN MAGNETICALLY ORDERED SYSTEMS, L'AQUILA, ITALY, SEPTEMBER 11-15, 1972 (H034760)*; 6 MONTHS $942

JACCARINO, VINCENT; *TRAVEL TO ATTEND- CONGRESS AMPERE, TURKU, FINLAND AND H.F. INTERACT. IN MAG. MAKR., L'AQUILLA, ITALY, AUGUST 21 - SEPTEMBER 16, 1972 (H034800)*; 6 MONTHS $600

NICOL, MALCOLM F; *TRAVEL TO ATTEND- THIRD INTERNATIONAL CONFERENCE ON RAMAN SPECTROSCOPY, REIMS, FRANCE, SEPTEMBER 8-13, 1972 (H034901)*; 6 MONTHS $914

WALKER, DONALD E; *TO ATTEND- THE SECOND INTERNATIONAL JOINT CONFERENCE ON ARTIFICIAL INTELLIGENCE, LONDON, ENGLAND, SEPTEMBER 1-3, 1971 (J030323)*; 6 MONTHS $350

MUNSON, JOHN H; *TRAVEL TO ATTEND- SECOND INTERNATIONAL JOINT CONFERENCE ON ARTIFICIAL INTELLIGENCE, LONDON, ENGLAND, SEPTEMBER 1-3, 1971 (J030324)*; 6 MONTHS $350

DILLIGAN, ROBERT J; *TRAVEL SUPPORT TO ATTEND- THE SYMPOSIUM ON THE USE OF THE COMPUTER IN LITERARY RESEARCH, EDINBURGH, SCOTLAND, MARCH 27-30, 1972 (J033086)*; 6 MONTHS $238

WEINGARTEN, FRED W; *TRAVEL TO ATTEND- INTERNATIONAL ON-LINE 72 MEETING, UXBRIDGE UNIVERSITY, ENGLAND, SEPTEMBER 4-7, 1972 (J033332)*; 6 MONTHS $550

FERRARI, DOMENICO; *TRAVEL TO ATTEND- INTERNATIONAL COMPUTING SYMPOSIUM, VENICE, ITALY, APRIL 12 - 14, 1972 (J033333)*; 6 MONTHS $491

NIELSEN, NORMAN R; *TRAVEL TO ATTEND- FIFTH AUSTRALIAN COMPUTER CONFERENCE, BRISBANE, AUSTRALIA, MAY 22-26, 1972 (J034656)*; 6 MONTHS $800

NOORANY, I; *TO ATTEND - INTERNATIONAL CONFERENCE ON OCEAN ENGINEERING UNDER ARCTIC CONDITIONS TRONDHEIM, NORWAY - AUGUST 23 - 30, 1971 (K030099)*; 6 MONTHS $400

EVERHART, THOMAS E; *TO ATTEND- SIXTH INTERNATIONAL CONFERENCE ON X-RAY OPTICS AND MICROANALYSIS - OSAKA, JAPAN - SEPTEMBER 5-10, 1971 (K030170)*; 6 MONTHS $500

CHELAPATI, C V; *TO ATTEND- THE FIRST INTERNATIONAL CONFERENCE ON STRUCTURAL MECHANICS IN REACTOR TECHNOLOGY, BERLIN, GERMANY, SEPTEMBER 20-24, 1971 (K030259)*; 6 MONTHS $350

GOREN, SIMON L; *TO ATTEND- THE INTERNATIONAL SYMPOSIUM ON TWO-PHASE SYSTEMS, HAIFA, ISRAEL, AUGUST 29 TO SEPTEMBER 2, 1971 (K030392)*; 6 MONTHS $500

MAXWORTHY, TONY; *TO ATTEND- THE THIRD INTERNATIONAL COLLOQUIUM ON GASDYNAMICS OF EXPLOSIONS AND REACTIVE SYSTEMS, MARSEILLE, FRANCE, SEPTEMBER 12-17, 1971 (K030430)*; 6 MONTHS $500

OPPENHEIM, A K; *TO ATTEND- THE THIRD INTERNATIONAL COLLOQUIUM ON GASDYNAMICS OF EXPLOSIONS AND REACTIVE SYSTEMS, MARSEILLE, FRANCE, SEPTEMBER 12-17, 1971 (K030431)*; 6 MONTHS $560

MIKA, THOMAS S; *TO ATTEND- THE THIRD EUROPEAN SYMPOSIUM ON SIZE REDUCTION, CANNES, FRANCE, OCTOBER 5-8, 1971 (K030442)*; 6 MONTHS $450

LESKOVAR, BRANKO; *TO ATTEND- THE 1971 IEEE INTERNATIONAL SYMPOSIUM ON ELECTRICAL NETWORK THEORY, LONDON, ENGLAND, SEPTEMBER 6-10, 1971 (K030443)*; 6 MONTHS $230

KUH, ERNEST S; *TO ATTEND- THE 1971 IEEE INTERNATIONAL SYMPOSIUM ON ELECTRICAL NETWORK THEORY, LONDON, ENGLAND, SEPTEMBER 6-10, 1971 (K030446);* 6 MONTHS $250

MITRA, S K; *TO ATTEND- THE 1971 IEEE INTERNATIONAL SYMPOSIUM ON ELECTRICAL NETWORK THEORY, LONDON, ENGLAND, SEPTEMBER 6-10, 1971 (K030448);* 6 MONTHS $250

JOHNSTON, JAMES P; *TO ATTEND- THE SPECIALISTS' MEETING ON 'TURBULENT SHEAR FLOWS,' LONDON, ENGLAND, SEPTEMBER 13-15, 1971 (K030463);* 6 MONTHS $480

WILKE, CHARLES R; *TRAVEL TO ATTEND- THE FOURTH INTERNATIONAL FERMENTATION SYMPOSIUM, KYOTO, JAPAN, MARCH 19-25, 1972 (K032426);* 6 MONTHS $660

SKLANSKY, JACK; *TRAVEL TO- RESEARCH ON TRAINABLE PATTERN RECOGNITION, HAIFA, ISRAEL, AUGUST 7, 1972-JULY 15, 1973 (K034132);* 12 MONTHS $340

WILSON, KENT R; *TO ATTEND- TENTH INTERNATIONAL SYMPOSIUM ON FREE RADICALS, LYON, FRANCE, AUGUST 31 - SEPTEMBER 3, 1971 SIXTH INTERNATIONAL CONFERENCE ON PHOTOCHEMISTRY, BORDEAUX, FRANCE, SEPTEMBER 6-8, 1971 (P030164);* 6 MONTHS $922

LEE, EDWARD K C; *TO ATTEND- SIXTH INTERNATIONAL CONFERENCE ON PHOTOCHEMISTRY, BORDEAUX, FRANCE, SEPTEMBER 6-8, 1971 (P030176);* 6 MONTHS $890

WHEELER, JOHN C; *TO ATTEND- CONFERENCE ON CRITICAL PHENOMENA, LINDAU, WEST GERMANY, SEPTEMBER 21-24, 1971 (P030177);* 6 MONTHS $632

CLARK, W GILBERT; *TO ATTEND- FOURTH INTERNATIONAL SYMPOSIUM ON MAGNETIC RESONANCE, REHOVOT AND JERUSALEM, ISRAEL, AUGUST 23-31, 1971 (P030248);* 6 MONTHS $911

EKLOF, PAUL C; *TO ATTEND- CAMBRIDGE SUMMER SCHOOL IN MATHEMATICAL LOGIC, CAMBRIDGE, ENGLAND, AUGUST 1-21, 1971 (P030399);* 6 MONTHS $265

WALECKA, JOHN D; *TO ATTEND- THE FOURTH INTERNATIONAL CONFERENCE ON HIGH ENERGY PHYSICS AND NUCLEAR STRUCTURE, DUBNA, U.S.S.R., SEPTEMBER 7-11, 1971 (P030454);* 6 MONTHS $1,129

CONTI, PETER S; *TO ATTEND- THE INTERNATIONAL SYMPOSIUM ON WOLF-RAYET AND HOT STARS, LA PLATA, ARGENTINA, AUGUST 12-21, 1971 (P030472);* 6 MONTHS $400

BARLOW, RICHARD E; *TO ATTEND- THE FOURTH CONFERENCE ON PROBABILITY THEORY, BRASOV, ROMANIA, SEPTEMBER 12-18, 1971 AND THE SIXTH PRAGUE CONFERENCE ON INFORMATION THEORY, STATISTICAL DECISION FUNCTIONS AND RANDOM PROCESSES, PRAGUE, CZECHOSLOVAKIA, SEPTEMBER 18-24, 1971 (P030587);* 6 MONTHS $732

PARKS, JOEL H; *TO ATTEND- THE SYMPOSIUM ON FUNDAMENTAL AND APPLIED LASER PHYSICS, ESFAHAN, IRAN, AUGUST 29 -SEPTEMBER 5, 1971 (P030839);* 6 MONTHS $900

CAHILL, THOMAS A; *TO ATTEND- MEETING ON CHEMICAL ANALYSIS BY CHARGED PARTICLE BOMBARDMENT, BRUSSELS, BELGIUM, SEPTEMBER 6-8, 1971 (P031050);* 3 MONTHS $784

GUIRAGOSSIAN, ZAVEN G T; *TO REPORT ON NEW PARTICLE DETECTOR SYSTEM AT 1971 MEETING, YEREVAN, ARMENIA, USSR, NOVERMBER 23-DECEMBER 4, 1971 (P031719);* 6 MONTHS $812

ANTOSIEWICZ, HENRY A; *TO DO RESEARCH AND LECTURE IN EUROPE AND ATTEND SYMPOSIA IN ENGLAND, FRANCE, AND MEXICO, FEBRUARY 1, 1972 THROUGH SEPTEMBER 1, 1972 (P032361);* 12 MONTHS $893

RIEFFEL, MARC A; *TO ATTEND- INFORMAL GATHERING OF MATHEMATICIANS AND PHYSICISTS OF THE CENTRE UNIVERSITAIRE ET EXPERIMENTAL DE MARSEILLELUMINARY AND GROUPE DE PHYSIQUE THEORIQUE DU C.N.R.S. MARSEILLE, FRANCE, JUNE-JULY 1972 (P033318);* 6 MONTHS $949

ADAMSON, ARTHUR W; *TRAVEL TO- INTERNATIONAL CONFERENCE 'CHEMISTRY AT INTERFACES,' ROVINJ, YUGOSLAVIA, JUNE 27-JULY 8, 1972 (P034623);* 6 MONTHS $995

DAUBEN, WILLIAM G; *TRAVEL TO- FOURTH INTERNATIONAL SYMPOSIUM ON PHOTOCHEMISTRY, BADEN-BADEN, GERMANY, JULY 16-22, 1972 (P034707);* 6 MONTHS $822

HARRIS, ROBERT A; *TRAVEL TO- CONDUCT RESEARCH AT CAMBRIDGE UNIVERSITY, CAMBRIDGE, ENGLAND, AUGUST 20-DECEMBER 20, 1972 (P034790);* 12 MONTHS $791

STREITWIESER, ANDREW JR; *TRAVEL TO- FIRST INTERNATIONAL IUPAC MEETING ON PHYSICAL ORGANIC CHEMISTRY, CRANS SUR SIERRE, SWITZERLAND, SEPTEMBER 4-8, 1972 (P034820);* 6 MONTHS $864

BRAUMAN, JOHN I; *TRAVEL TO- IUPAC CONFERENCE ON PHYSICAL ORGANIC CHEMISTRY, CRANS SUR SIERRE, SWITZERLAND, SEPTEMBER 3-8, 1972 (P034824);* 6 MONTHS $870

PITTS, JAMES N JR; *TRAVEL TO- FIRST IUPAC CONFERENCE ON PHYSICAL ORGANIC CHEMISTRY, CRANS SUR SIERRE, SWITZERLAND, SEPTEMBER 4-8, 1972 (P034826);* 6 MONTHS $899

LINGENFELTER, RICHARD E; *TRAVEL TO- SEMINAR ON THE PROBLEM OF THE GENERALITY OF PARTICLE ACCELERATION OF VARIOUS SCALES IN COSMOS, AUGUST 16-18, 1972 (P034830);* 6 MONTHS $1,114

TAYLOR, HOWARD S; *TRAVEL TO-INTERNATIONAL CONFERENCE ON MOLECULAR SPECTROSCOPY, WROCAW, POLAND, SEPTEMBER 15-19, 1972 (P034846);* 6 MONTHS $880

JAMES, ROBERT C; *TO ATTEND- INTERNATIONAL SYMPOSIUM ON PARTIAL DIFFERENTIAL EQUATIONS AND THE GEOMETRY OF NORMED SPACES, JERUSALEM, ISRAEL, JUNE 19-28, 1972 (P034853);* 6 MONTHS $507

FRICKE, MARTIN P; *TRAVEL TO ATTEND- INTERNATIONAL CONFERENCE ON THE STUDY OF NUCLEAR STRUCTURE WITH NEUTRONS, KESZTHELY, HUNGARY, JULY 31-AUGUST 5, 1972 (P034941);* 6 MONTHS $725

ROSENTHAL, HASKELL P; *TO ATTEND- INTERNATIONAL SYMPOSIUM ON PARTIAL DIFFERENTIAL EQUATIONS AND NORMED LINEAR SPACES, JERUSALEM, ISRAEL, JUNE 19-28, 1972 (P034960);* 6 MONTHS $604

BANDER, MYRON; *TRAVEL TO- SERVE AS CONSULTANT AT RUTHERFORD HIGH ENERGY LABORATORY, HARWELL, ENGLAND, JULY 3-31, 1972 (P035013);* 6 MONTHS $442

RISEBROUGH, ROBERT W; *TRAVEL TO- VISIT MARINE STATION AT MARSEILLES AND WORK WITH DR. MONOD, APRIL-MAY, 1972 (V032737);* 6 MONTHS $986

GUNDERSON, E K ERIC; *TRAVEL TO ATTEND- SCAR/IUPS SYMPOSIUM ON HUMAN BIOLOGY AND MEDICINE IN THE ANTARCTIC, SCOTT POLAR RESEARCH INSTITUTE, CAMBRIDGE, ENGLAND, SEPTEMBER 19-21, 1972 (V033766);* 6 MONTHS $741

SITES, MICHAEL J; *TRAVEL SUPPORT TO ATTEND- SCAR SYMPOSIUM ON ANTARCTIC TELECOMMUNICATIONS, SANDEFJORD, NORWAY, MAY 10-16, 1972 (V034253);* 6 MONTHS $835

VACQUIER, VICTOR D; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON MOLECULAR AND DEVELOPMENTAL BIOLOGY, ERICE, SICILY, JULY 27 - AUGUST 8, 1971 (Z002231);* 6 MONTHS $650

YAMARTINO, ROBERT J; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON DUALITY IN ELEMENTARY PARTICLES, LOUVAIN, BELGIUM, AUGUST 30 - SEPTEMBER 16, 1971 (Z002235);* 6 MONTHS $313

SANTI, DANIEL V; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON MOLECULAR AND DEVELOPMENTAL BIOLOGY, ERICE, SICILY, JULY 27 - AUGUST 8, 1971 (Z002244);* 6 MONTHS $732

PLACHY, WILLIAM Z; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON ELECTRON SPIN RELAXATION IN LIQUIDS, SPATIND, NORWAY, AUGUST 16-28, 1971 (Z002247);* 6 MONTHS $560

SMITH, ROULETTE W; *SYMPOSIUM ON HUMAN THINKING ST MAXIMIN FRANCE AUGUST 17-20, 1971 (Z002250);* 6 MONTHS $402

CANDE, WILLIAM Z; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON MODERN ASPECTS OF HORMONAL REGULATION IN PLANT GROWTH AND DEVELOPMENT, IZMIR, TURKEY, SEPTEMBER 20 -OCTOBER 1, 1971 (Z002255);* 6 MONTHS $564

LESSER, VICTOR R; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON MICROPROGRAMMING, ST. RAPHAEL, FRANCE, AUGUST 30 -SEPTEMBER 10, 1971 (Z002256);* 6 MONTHS $565

HOPKINS, DAVID W; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON PHYTOCHROME, ATHENS, GREECE, AUGUST 30 - SEPTEMBER 17, 1971 (Z002257);* 6 MONTHS $566

SHANABARGER, MICKEY R; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON FUNDAMENTAL PRINCIPLES IN HETEROGENEOUS CATALYSIS, VENICE, ITALY, SEPTEMBER 19 - OCTOBER 2, 1971 (Z002259);* 6 MONTHS $576

LIENTZ, BENNET P; *ADV ST INST ON MATH PROG IN THEORY & PRACT COIMBRA PORTUGAL 6/12-23/72 (Z002541);* 6 MONTHS $256

MUENZ, LARRY R; *ADV ST INST ON DISCRIMINANT ANALYSIS&APPLICATIONS ATHENS GR 6/8-20/72 (Z002542),* 6 MONTHS $761

FELDMAN, LEONARD; *2ND INTERNAT CONGRESS ON MATHEMATICAL EDUC EXETER ENGLAND 8/29-9/2/72 (Z002546);* 6 MONTHS $510

DOWNS, FLOYD L; *THE 2ND INTERNAL CONGRESS ON MATH ED EXETER ENG 8/29-9/2/72 (Z002549),* 6 MONTHS $444

PRESS, WILLIAM H; *ADV ST INST ON BLACKHOLE ASTROPHYSICS LES HOUCHES FRANCE 7/31-8/30/72 (Z002565);* 6 MONTHS $437

LOH, ELWYN Y; *ADV ST INST ON MOLE&CELL ASPECTS/IMMUNOL CARRY-LE-ROUET FRAN 6/1-10/72 (Z002568);* 6 MONTHS $489

LINZ, PETER; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON PADE APPROXIMANTS AND THEIR APPLICATIONS AT KENT, ENGLAND JULY 2-10, 1972 (Z002569),* 6 MONTHS $289

GRAGG, WILLIAM B JR; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON PADE APPROXIMANTS AND THEIR APPLICATIONS AT KENT, ENGLAND JULY 2-15, 1972 (Z002575),* 6 MONTHS $518

AUSLANDER, DAVID M; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON THEORY AND PRACTICE OF SYSTEMS IDENTIFICATION AND MODELLING AT TOULOUSE, FRANCE ON JULY 17-28, 1972 (Z002580);* 6 MONTHS $690

DOUGLAS, MARVIN H; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON ELECTROMAGNETIC INTERACTIONS OF ELEMENTARY SYSTEMS AT CARGESE, FRANCE, JULY 2-29, 1972 (Z002584);* 6 MONTHS $545

THACKER, HARRY B JR; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON HIGH-LIGHTS IN PARTICLE PHYSICS AT ERICE, ITALY, JULY 7-29, 1972 (Z002598);* 6 MONTHS $534

KLEIN, CLAUDETTE; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON MOLECULAR AND CELL BIOLOGY AT SPETSAI, GREECE, AUGUST 16-29, 1972 (Z002603);* 6 MONTHS $771

UNIVERSITY OF CALIFORNIA, RIVERSIDE

POLLAK, MICHAEL; *TO ATTEND- MEETING ON AMORPHOUS AND LIQUID SEMICONDUCTORS, LONDON, ENGLAND, DECEMBER 17-18, 1971 (H031888)*; 6 MONTHS $570

COLORADO

THOMPSON, RICHARD R; *TO ATTEND- THE INTERNATIONAL COMMITTEE FOR COAL PETROLOGY, KREFELD, GERMANY, AUGUST 20-28, 1971 (A030531)*; 6 MONTHS $678

VONDER HAAR, THOMAS H; *TRAVEL TO ATTEND- INTERNATIONAL RADIATION SYMPOSIUM, SENDAI, JAPAN, MAY 24 - JUNE 5, 1972 (A033235)*, 6 MONTHS $600

COX, STEPHEN K; *TRAVEL TO ATTEND- INTERNATIONAL RADIATION SYMPOSIUM, SENDAI, JAPAN, MAY 26 - JUNE 2, 1972 (A033785)*; 6 MONTHS $713

MURCRAY, DAVID G; *TRAVEL SUPPORT TO ATTEND- INTERNATIONAL RADIATION SYMPOSIUM, SENDAI, JAPAN, MAY 26 - JUNE 2, 1972 (A033786)*; 6 MONTHS $870

PATTON, CARL E; *TRAVEL TO ATTEND- INTERNATIONAL CONFERENCE ON MAGNETICS, KYOTO AND FIFTH INTERNATIONAL COLLOQUIUM ON MAGNETIC THIN FILMS, MT. FUJI, JAPAN, APRIL 10-19, 1972 (H033056)*; 6 MONTHS $842

CERMAK, J E; *TO ATTEND- THE THIRD INTERNATIONAL CONFERENCE ON WIND EFFECTS ON BUILDINGS AND STRUCTURES, TOKYO, JAPAN, SEPTEMBER 6-11, 1971 (K030462)*; 6 MONTHS $500

GUSTAFSON, KARL E; *TO ATTEND- A CONFERENCE ON LINEAR OPERATORS AND APPROXIMATION, OBERWOLFACH, GERMANY, AUGUST 14-22, 1971 (P030161)*; 6 MONTHS $836

WALTON, HAROLD F; *TO ATTEND- THE INTERNATIONAL CONGRESS OF ANALYTICAL CHEMISTRY., KYOTO, JAPAN, APRIL 3-7, 1972 (P032362)*; 6 MONTHS $692

BOSE, RAJ C; *TO ATTEND- INSTITUTE ON FINITE GEOMETRIC STRUCTURES AND THEIR APPLICATIONS, BRESSANONE, ITALY, JUNE 18-27, 1972 (P032531)*; 6 MONTHS $837

STICKLER, WILLIAM C; *TRAVEL SUPPORT TO ATTEND- THE ANNUAL MEETING OF THE CHEMICAL SOCIETY AND THE ROYAL INSTITUTE OF CHEMISTRY, MANCHESTER, ENGLAND, APRIL 10-14, 1972 (P032745)*; 6 MONTHS $297

MOHILNER, DAVID M; *TRAVEL SUPPORT TO ATTEND- MEETING ON THE ELECTRICAL DOUBLE LAYER, BRISTOL, ENGLAND, APRIL 17-19, 1972 (P032752)*; 6 MONTHS $326

LEMASURIER, WESLEY E; *TO ATTEND- THE SYMPOSIUM ON THE GEOMORPHOLOGY OF POLAR REGIONS, ABERDEEN, SCOTLAND, JANUARY 4-8, 1972 (V031404)*; 6 MONTHS $650

KRIER, NICHOLAS; *ADV ST INST ON FINITE GEOMETRIC STRUCT BRESSANONE ITALY 6/18-27/72 (Z002571)*; 6 MONTHS $694

CONNECTICUT

WATERMAN, TALBOT H; *TRAVEL TO ATTEND- IAPSO SYMPOSIUM ON OPTICS OF THE SEA, COPENHAGEN, DENMARK, JUNE 19-23, 1972 (A033311)*; 6 MONTHS $658

GILES, NORMAN HENRY; *SECOND CONFERENCE OF THE U.S.S.R., SOCIETY OF GENETICS AND SELECTION, MOSCOW, U.S.S.R., JANUARY 31 - FEBRUARY 5, 1972 (B032027)*; 6 MONTHS $798

SCAVUZZO, RUDOLPH J; *TO ATTEND- FIRST INTERNATIONAL CONFERENCE ON STRUCTURAL MECHANICS IN REACTOR TECHNOLOGY BERLIN, GERMANY - SEPTEMBER 20-24, 1971 (K030261)*; 6 MONTHS $230

AZAROFF, LEONID V; *TO ATTEND- THE MEETING ON BAND-STRUCTURE SPECTROSCOPY OF METALS AND ALLOYS, GLASGOW, SCOTLAND, SEPTEMBER 27-30, 1971 (K030466)*; 6 MONTHS $450

GINGOLD, KURT; *TO ATTEND- THE MEETING OF THE COUNCIL OF THE INTERNATIONAL FEDERATION OF TRANSLATORS AND THE INTERNATIONAL COLLOQUIUM OF TRANSLATORS, NICE, FRANCE, MAY 18-25, 1972 (N034345)*; 6 MONTHS $431

LEA, KENNETH R; *TRAVEL TO ATTEND- THE FOURTH INTERNATIONAL CONFERENCE ON ATOMIC MASSES AND FUNDAMENTAL CONSTANTS BEING HELD IN TEDDINGTON, ENGLAND, SEPTEMBER 6-10, 1971 (P030402)*; 6 MONTHS $382

HARTE, JOHN; *TRAVEL TO- CARRY ON RESEARCH AT EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH (CERN), GENEVA, SWITZERLAND, MAY 31 TO JULY 30, 1972 (P034792)*; 6 MONTHS $534

SINANOGLU, OKTAY; *TRAVEL TO ATTEND- INTERNATIONAL CONFERENCE ON MOLECULAR SPECTROSCOPY, WARSAW, POLAND, SEPTEMBER 15-18, 1972 (P034862)*; 6 MONTHS $682

DALTON, RICHARD J; *TRAVEL TO- CONDUCT RESEARCH IN ROME, ITALY, JULY 1-AUGUST 30, 1972 (S034220)*; 6 MONTHS $665

BRASS, GARRETT W; *TRAVEL TO ATTEND- INTERNATIONAL SYMPOSIUM ON THE OCEANOGRAPHY OF THE SOUTH PACIFIC, WELLINGTON, NEW ZEALAND, FEBRUARY 9-15, 1972 (V032476)*; 6 MONTHS $1,334

RAFSKY, LAWRENCE C; *ADV ST INST ON DISCRIMINANT ANALY& APPLICAT ATHENS GREECE 6/8-20/72 (Z002556)*; 6 MONTHS $581

ROBERSON, CHARLES W; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON PLASMA PHYSICS AT LES HOUCHES, FRANCE, JULY 2-29, 1972 (Z002600)*; 6 MONTHS $393

DELAWARE

GREENFIELD, IRWIN G; *TRAVEL TO ATTEND- INTERNATIONAL SYMPOSIUM ON DEFECT INTERACTIONS IN SOLIDS AND INDUSTRIAL METALLURGY, BANGALORE, INDIA, MAY 9-13, 1972 (H033081)*; 6 MONTHS $1,302

LEVY, LEON S; *TRAVEL TO ATTEND- CONFERENCE ON THEORY OF AUTOMATA, LANGUAGES, AND PROGRAMMING, ROCQUENCOURT, FRANCE, JULY 3-7, 1972 (J034913)*; 6 MONTHS $417

MOSZYNSKI, JERZY R; *TO ATTEND- FIRST INDIAN NATIONAL CONFERENCE ON HEAT AND MASS TRANSFER, MADRAS, INDIA, DECEMBER 6-8, 1971 (K031682)*; 6 MONTHS $323

STARK, ROBERT M; *TRAVEL TO ATTEND- SIXTH INTERNATIONAL CONFERENCE ON OPERATIONS RESEARCH, DUBLIN, IRELAND, AUGUST 21-25, 1972 (K033442)*; 6 MONTHS $310

SANDLER, STANLEY I; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON MOLECULAR DYNAMICS IN SIMPLE LIQUIDS AT MENTON, FRANCE, JULY 2-13, 1972 (Z002581)*; 6 MONTHS $502

DISTRICT OF COLUMBIA

LUKACS, EUGENE; *TO ATTEND- THE NINTH INTERNATIONAL SYMPOSIUM ON FUNCTIONAL EQUATIONS, ROME AND PROCCHIO, ELBA, ITALY, SEPTEMBER 3-11, 1971 (P030174)*; 6 MONTHS $444

TUNSTALL, DANIEL B; *TRAVEL TO ATTEND- 'SECOND MEETING OF THE ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT SOCIAL INDICATOR WORKING PARTY' PARIS, FRANCE, FEBRUARY 21-23, 1972 (S032538)*; 6 MONTHS $530

KELLY, WILLIAM C; *INTERNATL CONF ON UTILIZ/HIGHLY-QUALIFIED PERS VENICE IT 10/25-27/1 (Z002277)*; $310

AMERICAN ANTHROPOLOGICAL ASSOCIATION

LEHMAN, EDWARD J; *TRAVEL OF AMERICANS TO ATTEND- 'XL INTERNATIONAL CONGRESS OF AMERICANISTS,' ROME, SEPTEMBER 3-8, 1972 (S033957)*; 12 MONTHS $5,000

AMERICAN PSYCHOLOGICAL ASSOCIATION

LITTLE, KENNETH B; *TRAVEL TO ATTEND- TWENTIETH INTERNATIONAL CONGRESS OF PSYCHOLOGY, JAPAN, AUGUST 1972 (B032597)*; 12 MONTHS $23,250

LINGUISTIC SOCIETY OF AMERICA

SEBEOK, THOMAS A; *TRAVEL OF U.S. SCIENTISTS TO ATTEND- THE ELEVENTH INTERNATIONAL CONGRESS OF LINGUISTS, BOLOGNA, ITALY, AUGUST 28 - SEPTEMBER 2, 1972 (S031517)*; 12 MONTHS $9,000

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

ROWAN, EDMUND C; *TRAVEL TO ATTEND- THE TWELFTH PACIFIC SCIENCE CONGRESS (C310213 001)*; $5,000

MITCHELL, LAWRENCE C; *SYMPOSIUM ON FOUNDATIONS OF THE ELECTRON THEORY OF SOLIDS, LENINGRAD AND MOSCOW, USSR, NOVEMBER 29 - DECEMBER 11, 1971 (C310225)*; 6 MONTHS $4,600

MITCHELL, LAWRENCE C; *SUPPORT OF TRAVEL OF U.S. PARTICIPANTS TO THE SYMPOSIUM ON FOUNDATIONS OF THE ELECTRON THEORY OF SOLIDS, LENINGRAD AND MOSCOW, USSR, NOVEMBER 29-DECEMBER 11, 1971 (C310225 001)*; 6 MONTHS $267

WAGONER, ANN; *SUPPORT OF INTERNATIONAL UNION OF RADIO SCIENCE (C310232)*; 12 MONTHS $20,000

SHEPPARD, HARVEY E; *TRAVEL TO ATTEND- FOURTH INTERNATIONAL BIOPHYSICS CONGRESS, USSR, AUGUST 1972 (C310241)*; 6 MONTHS $6,000

SHEPPARD, HARVEY E; *TRAVEL TO ATTEND- SIXTH INTERNATIONAL CONGRESS ON PHOTOBIOLOGY, GERMANY, AUGUST 1972 (C310242)*; 7 MONTHS $12,000

DYER, E R JR; *SUPPORT OF U.S. PARTICIPATION IN THE XVTH GENERAL ASSEMBLY OF THE INTERNATIONAL ASTRONOMICAL UNION-AUGUST 1973, EXTRAORDINARY GENERAL ASSEMBLY-SEPTEMBER 1973 (C310248)*; 24 MONTHS $16,000

WOOD, GEORGE W; *PARTIAL SUPPORT OF U.S. PARTICIPATION IN THE THIRTEENTH GENERAL ASSEMBLY AND CONGRESS OF THE INTERNATIONAL UNION FOR THEORETICAL AND APPLIED MECHANICS (C310251)*; 9 MONTHS $11,000

FLORIDA

TAYLOR, DENNIS L; *TO ATTEND- SEVENTH INTERNATIONAL SEAWEED SYMPOSIUM, SAPPORO, JAPAN, AUGUST 7-13, 1971 (A030142)*, 6 MONTHS $1,070

VERINK, ELLIS D JR; *TRAVEL TO ATTEND- FIFTH INTERNATIONAL CONGRESS ON METALLIC CORROSION, TOKYO, JAPAN, MAY 21-27, 1972 (H033073)*; 6 MONTHS $914

WISEMAN, H A B; *TO ATTEND- (A) INTERNATIONAL CONFERENCE ON MECHANICAL BEHAVIOR OF MATERIALS, KYOTO, JAPAN, (B) NINTH INTERNATIONAL CONFERENCE ON MEDICAL AND BIOLOGICAL ENGINEERING, MELBOURNE, AUSTRALIA, (A) AUGUST 15-20- (B) AUGUST 23-27, 1971 (K030171)*; 6 MONTHS $450

TESAR, DELBERT; *TRAVEL TO VARIOUS RESEARCH CENTERS IN EASTERN EUROPE, MARCH - APRIL 1972 (K032792)*; 6 MONTHS $520

WELTNER, WILLIAM JR; *TO ATTEND- TENTH INTERNATIONAL SYMPOSIUM ON FREE RADICALS, LYON, FRANCE, AUGUST 31 - SEPTEMBER 3, 1971* (P030165); 6 MONTHS $381

BUTLER, GEORGE B; *TRAVEL TO- SYMPOSIUM ON MACROMOLECULAR CHEMISTRY, HELSINKI, FINLAND, JULY 2-8, 1972* (P034684); 6 MONTHS $650

SALTIEL, JACK; *TRAVEL TO- FOURTH INTERNATIONAL SYMPOSIUM ON ORGANIC PHOTOCHEMISTRY, BADEN-BADEN, GERMANY, JULY 16-22, 1972* (P034704); 6 MONTHS $641

DIETZ, ROBERT S; *TRAVEL TO ATTEND- INTERNATIONAL SYMPOSIUM ON OCEANOGRAPHY OF THE SOUTH PACIFIC, WELLINGTON, NEW ZEALAND, FEBRUARY 9-15, 1972* (V032478); 6 MONTHS $1,220

WINCHESTER, JOHN W; *TRAVEL TO ATTEND- THE SEVENTH SESSION OF THE INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION PARIS, FRANCE, OCTOBER 26 - NOVEMBER 5, 1971* (X031532); 6 MONTHS $975

SCHMIDT, ROBERT A;, *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON EPIDEMIOLOGY OF PLANT DISEASES, WAGENINGEN, THE NETHERLANDS, AUGUST 24 - SEPTEMBER 3, 1971* (Z002236); 6 MONTHS $521

SCHROECK, FRANKLIN E JR; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON MATHEMATICS OF CONTEMPORARY PHYSICS, LONDON, ENGLAND, AUGUST 23 - SEPTEMBER 11, 1971* (Z002267); 6 MONTHS $508

LOPER, DAVID E; *ADV ST INST ON MAG PHENOMENA IN ROTATING FLUIDS CAMB ENG 6/26-7/4/72* (Z002552); 6 MONTHS $586

CUNNINGHAM, JAMES R; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON DECOMPOSITION AS A TOOL FOR SOLVING LARGE SCALE PROBLEMS AT CAMBRIDGE, ENGLAND, JULY 17-26, 1972* (Z002574); 6 MONTHS $548

GEORGIA

KOCH, GEORGE S JR; *TRAVEL TO ATTEND- THE TENTH INTERNATIONAL SYMPOSIUM ON THE APPLICATION OF COMPUTER METHODS IN THE MINERAL INDUSTRY, JOHANNESBURG, SOUTH AFRICA, APRIL 9-14, 1972* (A032770); 6 MONTHS $726

GARRISON, ALLEN K; *TO ATTEND- THE MEETING ON COLOUR CENTRES IN IONIC CRYSTALS, READING, ENGLAND, SEPTEMBER 6-10, 1971* (P030992); 6 MONTHS $565

HERCULES, DAVID M; *TRAVEL TO ATTEND- THE INTERNATIONAL CONGRESS OF ANALYTICAL CHEMISTRY, KYOTO, JAPAN, APRIL 3-7, 1972* (P032358); 6 MONTHS $1,012

ASHBY, E C; *TRAVEL TO- FIRST IUPAC CONFERENCE ON PHYSICAL ORGANIC CHEMISTRY, CRANS SUR SIERRE, SWITZERLAND, SEPTEMBER 4-8, 1972* (P034822); 6 MONTHS $493

BRAGGIO, JOHN T; *ADV ST INST ON PRIMATE GENETIC BIOLOGY TURIN ITALY 6/7-19/72* (Z002570); 6 MONTHS $421

HAWAII

SADLER, JAMES C; *TO ATTEND- SEVENTH TECHNICAL CONFERENCE ON HURRICANES AND TROPICAL METEOROLOGY, BARBADOS, WEST INDIES, DECEMBER 6-9, 1971* (A031644); 6 MONTHS $673

BRETSCHNEIDER, CHARLES L; *TRAVEL TO ATTEND- SYMPOSIUM ON THE PHYSICAL PROCESSES RESPONSIBLE FOR THE DISPERSAL OF POLLUTANTS IN THE SEA, AARHUS UNIVERSITY, DENMARK, JULY 3-8, 1972* (A034596); 6 MONTHS $700

CHIU, ARTHUR N L; *TO ATTEND- THE THIRD INTERNATIONAL CONFERENCE ON WIND EFFECTS ON BUILDINGS AND STRUCTURES, TOKYO, JAPAN, SEPTEMBER 6-11, 1971* (K030458); 6 MONTHS $500

SCHWIND, PAUL J; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON RECENT DEVELOPMENTS IN REGIONAL SCIENCE AT KARLSRUHE, GERMANY, JULY 24,-AUGUST 11, 1972* (Z002586); 6 MONTHS $685

ILLINOIS

MEYER, PETER; *PARTIAL TRAVEL SUPPORT TO ATTEND- THE TWELFTH INTERNATIONAL CONFERENCE ON COSMIC RAYS, HOBART, TASMANIA, AUSTRALIA, AUGUST 1-27, 1971* (A030387); 6 MONTHS $1,093

LIU, CHAO-HAN; *TRAVEL TO ATTEND- MEETING ON EFFECTS OF ACOUSTIC-GRAVITY WAVES ON ELECTROMAGNETIC WAVE PROPAGATION, WIESBADEN, GERMANY, APRIL 17-21, 1972* (A032608); 6 MONTHS $667

RINEHART, KENNETH L JR; *TRAVEL TO ATTEND- THE EIGHTH INTERNATIONAL SYMPOSIUM ON THE CHEMISTRY OF NATURAL PRODUCTS, INDIA, FEBRUARY 1972* (B032298); 6 MONTHS $1,323

SCHROEER, JUERGEN M; *TRAVEL TO ATTEND- SECOND SYMPOSIUM ON SURFACE PHYSICS, ENSCHEDE, NETHERLANDS, JUNE 22-23, 1972, AND INTERNATIONAL CONFERENCE ON VACUUM INSTRUMENTS AND METHODS IN SURFACE STUDIES, GUILFORD, ENGLAND, JULY 10-13, 1972* (H035019); 6 MONTHS $452

BAZANT, ZDENEK P; *TO ATTEND- FIRST INTERNATIONAL CONFERENCE ON STRUCTURAL MECHANICS IN REACTOR TECHNOLOGY BERLIN, GERMANY - SEPTEMBER 20-24, 1971* (K030260); 6 MONTHS $400

AGARWAL, GYAN C; *TO ATTEND- NINTH INTERNATIONAL CONFERENCE ON MEDICAL AND BIOLOGICAL ENGINEERING-MELBOURNE, AUSTRALIA - AUGUST 23-27, 1971* (K030266); 6 MONTHS $700

DESCHAMPS, GEORGES A; *TO ATTEND- THE INTERNATIONAL SYMPOSIUM ON ELECTROMAGNETIC WAVE THEORY, TBILISI, U.S.S.R., SEPTEMBER 9-15, 1971* (K030390); 6 MONTHS $500

BANKOFF, S GEORGE; *TO ATTEND- THE INTERNATIONAL SYMPOSIUM ON TWO-PHASE SYSTEMS, HAIFA, ISRAEL, AUGUST 29 -SEPTEMBER 2, 1971* (K030426); 6 MONTHS $12

PARMELEE, RICHARD A; *TO ATTEND- THE THIRD INTERNATIONAL CONFERENCE ON WIND EFFECTS ON BUILDINGS AND STRUCTURES, TOKYO, JAPAN, SEPTEMBER 6-11, 1971* (K030459); 6 MONTHS $500

ANG, ALFREDO H S; *TO ATTEND- THE THIRD INTERNATIONAL CONFERENCE ON WIND EFFECTS ON BUILDINGS AND STRUCTURES, TOKYO, JAPAN, SEPTEMBER 6-11, 1971* (K030461); 6 MONTHS $500

WOODHEAD, RONALD W; *TRAVEL SUPPORT TO ATTEND- THE THIRD INTERNATIONAL CONGRESS ON PROJECT PLANNING BY NETWORK TECHNIQUES, STOCKHOLM, SWEDEN, MAY 15-19, 1972* (K032598); 6 MONTHS $760

WESTWATER, JAMES W; *TRAVEL TO ATTEND- THE FIFTEENTH SIBERIAN THERMOPHYSICAL SEMINAR ON CRITICAL PHENOMENA IN TWO-PHASE SYSTEMS, NOVOSIBIRSK, U.S.S.R., MAY 22-26, 1972* (K032930); 6 MONTHS $980

TAVLARIDES, LAWRENCE L; *TRAVEL TO ATTEND- THE SECOND INTERNATIONAL SYMPOSIUM ON CHEMICAL REACTION ENGINEERING, AMSTERDAM, HOLLAND, MAY 2-4, 1972* (K032931); 6 MONTHS $590

MURA, TOSHIO; *TRAVEL TO ATTEND- EUROPHYSICS CONFERENCE ON DISCLINATIONS, AUSSOIS (SAVOIE), FRANCE, JUNE 21-23, 1972* (K033415); 6 MONTHS $400

SUTTON, DAVID C; *TO ATTEND- THE EIGHTH INTERNATIONAL CONFERENCE ON HIGH ENERGY ACCELERATORS, GENEVA, SWITZERLAND, SEPTEMBER 20-24, 1971* (P030804); 6 MONTHS $664

KUNZ, A BARRY; *TO ATTEND- THE MEETING ON COLOUR CENTRES IN IONIC CRYSTALS, READING, ENGLAND, SEPTEMBER 6-10, 1971* (P030990); 6 MONTHS $623

WIJSMAN, ROBERT A; *TO ATTEND- MEETING ON MATHEMATICAL STATISTICS, OBERWOLFACH, WEST GERMANY, FEBRUARY 27-MARCH 4, 1972* (P032525); 6 MONTHS $666

SMITH, DONALD E; *TRAVEL TO ATTEND- THE SIXTH HEYROVSKY DISCUSSION, CASTLE LIBLICE, NEAR PRAGUE, CZECHOSLOVAKIA, MAY 22-26, 1972* (P032755); 6 MONTHS $626

IBERS, JAMES A; *TRAVEL TO ATTEND- SYMPOSIUM ON CHEMISTRY OF HYDROFORMYLATION AND RELATED REACTIONS, VESZPREM, HUNGARY, MAY 30-JUNE 2, 1972* (P033108); 6 MONTHS $540

GOMER, ROBERT; *TRAVEL SUPPORT TO ATTEND- ROYAL SOCIETY DISCUSSION ON PHYSICS AND CHEMISTRY OF SURFACES, LONDON, ENGLAND, MAY 24-25, 1972* (P033676); 6 MONTHS $424

FRIEDMAN, AVNER; *TO ATTEND- SYMPOSIUM ON PARTIAL DIFFERENTIAL EQUATIONS AND GEOMETRY OF NORMED SPACES, HEBREW UNIVERSITY, JERUSALEM, ISRAEL, JUNE 19-28, 1972* (P034589); 6 MONTHS $850

YANG, N C; *TRAVEL TO- FOURTH INTERNATIONAL SYMPOSIUM ON ORGANIC PHOTOCHEMISTRY, BADEN-BADEN, GERMANY, JULY 16-22, 1972* (P034702); 6 MONTHS $730

DICKEL, HELENE R; *TRAVEL TO ATTEND- EIGHTEENTH INTERNATIONAL ASTROPHYSICAL SYMPOSIUM, LIEGE, BELGIUM, JUNE 26-27, 1972* (P034788); 6 MONTHS $762

HALPERN, JACK; *TRAVEL TO- FIRST IUPAC CONFERENCE ON PHYSICAL ORGANIC CHEMISTRY, CRANS SUR SIERRE, SWITZERLAND SEPTEMBER 3-8, 1972* (P034825); 6 MONTHS $667

BUTZER, KARL W; *TO ATTEND- THE SEVENTH PANAFRICAN CONGRESS ON PREHISTORY AND QUATERNARY STUDIES, ADDIS ABABA, ETHIOPIA, DECEMBER 6-12, 1971* (S031399); 6 MONTHS $898

SCHMIDT, STEPHEN C; *TO ATTEND- 'ANNUAL MEETING OF THE BRITISH AGRICULTURAL ECONOMICS SOCIETY,' - OXFORD, ENGLAND, JULY 7-10, 1972* (S032819); 6 MONTHS $520

SHEN-MILLER, JANE; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON MODERN ASPECTS OF HORMONAL REGULATION IN PLANT GROWTH AND DEVELOPMENT, IZMIR, TURKEY, SEPTEMBER 20 - OCTOBER 1, 1971* (Z002265); 6 MONTHS $649

ANTOS, GEORGE; *NATO ADVANCED STUDY INSTITUTE ON FUNDAMENTAL PRINCIPLES IN HETEROGENEOUS CATALYSIS, VENICE, ITALY, SEPTEMBER 19 - OCTOBER 2, 1971* (Z002268); 6 MONTHS $317

GRIMES, CAROL J; *ASI ON MAG RESONANCE IN INORGANIC CHEM TERRHENIA ITALY 3/27-4/5/72* (Z002536); 6 MONTHS $520

BURKSTRAND, JAMES M; *TO ATTEND- ADVANCED STUDY INSTITUTE ON ELECTRON EMISSION SPECTROSCOPY AT GENT, BELGIUM, AUGUST 28-SEPTEMBER 9, 1972* (Z002588); 6 MONTHS $535

BRAUN, BARBARA Z; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON PRIMARY MOLECULAR EVENTS IN PHOTOBIOLOGY AT S. FIMINGNANO, ITALY, SEPTEMBER 4-16, 1972* (Z002590); 6 MONTHS $568

NORTHWESTERN UNIVERSITY

FREEMAN, ARTHUR J; *SUPPORT OF TRAVEL OF U. S. PARTICIPANTS TO ATTEND-THE INTERNATIONAL CONFERENCE ON PERSPECTIVES FOR HYPERFINE INTERACTIONS IN MAGNETICALLY ORDERED SYSTEMS BY NMR AND OTHER METHODS* (H034759); 12 MONTHS $3,000

INDIANA

ROTH, CHARLES B; *TRAVEL TO ATTEND- 1972 INTERNATIONAL CLAY CONFERENCE, MADRID, SPAIN, JUNE 25-30, 1972 (A034176)*; 6 MONTHS $692

MORTENSON, LEONARD E; *TRAVEL TO ATTEND- GOLDEN JUBILEE OF THE INDIAN INSTITUTE OF SCIENCE, BANGALORE, INDIA, DECEMBER 2-8, 1971 (B031597)*; 6 MONTHS $1,391

SAN PIETRO, ANTHONY; *TRAVEL TO ATTEND- GOLDEN JUBILEE OF THE INDIAN INSTITURE OF SCIENCE, BANGALORE, INDIA, DECEMBER (B031599)*; 6 MONTHS $1,002

MASSEY, JAMES LEE; *TO ATTEND- THE SECOND INTERNATIONAL SYMPOSIUM ON INFORMATION THEORY, TSAHKADSOR, ARMENIA, U.S.S.R., SEPTEMBER 2-8, 1971 (K030432)*; 6 MONTHS $358

LEON, BENJAMIN J; *TO ATTEND- THE 1971 IEEE INTERNATIONAL SYMPOSIUM ON ELECTRICAL NETWORK THEORY, LONDON, ENGLAND, SEPTEMBER 6-10, 1971 (K030449)*; 6 MONTHS $200

COHEN, RAYMOND; *TO ATTEND- THE SYMPOSIUM ON THE ACOUSTICS OF FLOW DUCTS, UNIVERSITY OF SOUTHAMPTON, ENGLAND, JANUARY 10-14, 1972 (K031815)*; 6 MONTHS $590

FLOSS, HEINZ G; *TRAVEL TO ATTEND- THE FOURTH INTERNATIONAL FERMENTATION SYMPOSIUM, KYOTO, JAPAN, MARCH 19-25, 1972 (K032427)*; 6 MONTHS $630

TOEBES, G H; *TRAVEL TO ATTEND- INTERNATIONAL SYMPOSIUM ON FLOW-INDUCED STRUCTURAL VIBRATIONS, KARLSRUHE, GERMANY, AUGUST 14-16, 1972 (K034999)*; 6 MONTHS $325

BROWNE, CORNELIUS P; *TRAVEL TO ATTEND- THE FOURTH INTERNATIONAL CONFERENCE ON ATOMIC MASSES AND FUNDAMENTAL CONSTANTS BEING HELD IN TEDDINGTON, ENGLAND SEPTEMBER 6-10, 1971 (P030308)*; 6 MONTHS $538

HIEFTJE, GARY M; *TO ATTEND- THIRD INTERNATIONAL CONGRESS OF ATOMIC ABSORPTION AND FLUORESCENCE SPECTROSCOPY, PARIS, FRANCE, SEPTEMBER 27 - OCTOBER 1, 1971 (P030374)*; 6 MONTHS [illegible]

STOLL, WILHELM; *CONFERENCE ON COMPLEX ANALYSIS IN SEVERAL VARIABLES, OBERWOLFACH, WEST GERMANY, SEPTEMBER 5-11, 1971 (P030926)*; 6 MONTHS $539

HALMOS, PAUL R; *TO ATTEND- 1972 ST. ANDREWS COLLOQUIUM, ST. ANDREWS, SCOTLAND, JULY 12-22, 1972 (P033493)*; 6 MONTHS $644

FEHLNER, THOMAS P; *TRAVEL TO- SPEND A SABBATICAL LEAVE AT OXFORD UNIVERSITY, OXFORD, ENGLAND, SEPTEMBER 1972 -JANUARY 1973 (P034860)*; 12 MONTHS $532

RAMDAS, A K; *TRAVEL TO ATTEND- THIRD INTERNATIONAL CONFERENCE ON RAMAN SPECTROSCOPY, REIMS, FRANCE, SEPTEMBER 8-12, 1972 (P034861)*; 6 MONTHS $652

BENFEY, OTTO T; *INTERNATIONAL SYMPOSIUM ON CHEMICAL EDUC SAO PAULO BRAZIL AUGUST 30,-SEPTEMBER 3, 1971 (Z002253)*; 6 MONTHS $732

IOWA

LONNGREN, KARL E; *TO ATTEND- THE TENTH INTERNATIONAL CONFERENCE ON PHENOMENA IN IONIZED GASES, OXFORD, ENGLAND, SEPTEMBER 13-18, 1971 AND THE THIRD INTERNATIONAL CONFERENCE ON QUIESCENT PLASMAS, ELSINORE, DENMARK, SEPTEMBER 20-24, 1971 (K030427)*; 6 MONTHS $580

WALTMAN, PAUL; *TO ATTEND- CONFERENCE ON THE THEORY OF ORDINARY AND PARTIAL DIFFERENTIAL EQUATIONS, UNIVERSITY OF DUNDEE, SCOTLAND, MARCH 28-31, 1972 (P033109)*; 6 MONTHS $560

HANSEN, ROBERT S; *TRAVEL TO- INTERNATIONAL CONFERENCE 'CHEMISTRY AT INTERFACES', JUNE 27-JULY 8, 1972, ROVINJ, YUGOSLAVIA (P034615)*; 6 MONTHS $661

STILLE, JOHN K; *TRAVEL TO- INTERNATIONAL SYMPOSIUM ON MACROMOLECULES, HELSINKI, FINLAND, JULY 2-8, 1972 (P034686)*; 6 MONTHS $750

TOCK, RICHARD W; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON CHARGED AND CATALYTIC POLYMERS, AT FORGES-LES-EAUX, FRANCE ON JUNE 18-28, 1972 (Z002578)*; 6 MONTHS $590

JOYCE, GLENN R; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON PLASMA PHYSICS AT LES HOUCHES, FRANCE, JULY 2-29, 1972 (Z002596)*; 6 MONTHS $466

KANSAS

HOFFMANN, ROBERT S; *TRAVEL TO ATTEND- INTERNATIONAL SYMPOSIUM ON SPECIES AND ZOOGEOGRAPHY OF EUROPEAN MAMMALS, CZECHOSLOVAKIA, NOVEMBER 1971 (B031579)*; 6 MONTHS $543

DAVIS, JOHN C; *TO ATTEND- THIRD INTERNATIONAL CONGRESS FOR STEREOLOGY - BERNE, SWITZERLAND, AUGUST 26-31, 197 (K030069)*; 6 MONTHS $370

DAVIS, JOHN C; *TRAVEL TO ATTEND- CONFERENCE ON MACHINE PERCEPTION OF PATTERNS AND PICTURES, TEDDINGTON, ENGLAND APRIL 12-14, 1972 (K032354)*; 6 MONTHS $470

BIGGS, ALBERT W; *TRAVEL SUPPORT TO ATTEND- 'SCAR SYMPOSIUM ON ANTARCTIC TELECOMMUNICATIONS,' SANDEFJORD, NORWAY, MAY 10-16, 1972 (V033768)*; 6 MONTHS $728

MORROW, JOHN; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON MOLECULAR AND DEVELOPMENTAL BIOLOGY, ERICE, SICILY, JULY 27 - AUGUST 8, 1971 (Z002233)*; 6 MONTHS $660

KENTUCKY

REUCROFT, PHILIP J; *TRAVEL TO ATTEND- THIRD INTERNATIONAL SYMPOSIUM ON THE CHEMISTRY OF THE ORGANIC SOLID STATE, GLASCOW, SCOTLAND, SEPTEMBER 18-22, 1972 (H034424)*; 6 MONTHS $564

LIENHARD, JOHN H; *TRAVEL TO ATTEND- THE FIFTEENTH SIBERIAN THERMOPHYSICAL SEMINAR ON CRITICAL PHENOMENA IN TWO-PHASE SYSTEMS, NOVOSIBIRSK, U.S.S.R., MAY 22-26, 1972 (K032933)*; 6 MONTHS $600

WETS, ROGER J; *TO ATTEND- THE FOURTH CONFERENCE ON PROBABILITY THEORY, BRASOV, ROMANIA, SEPTEMBER 12-18, 1971 (P030588)*; 6 MONTHS $768

LOUISIANA

PILLER, HERBERT; *TRAVEL TO ATTEND- INTERNATIONAL CONFERENCE ON THE PHYSICS OF SEMICONDUCTORS, WARSAW, POLAND, JULY 25-29, 1972 (H034799)*; 6 MONTHS $921

PERRY, CHARLES L; *INTERNATIONAL ASTRONOMICAL UNION SYMPOSIUM ON SPECTRAL CLASSIFICATION AND MULTICOLOR PHOTOMETRY, CORDOBA, ARGENTINA, OCTOBER 18-24, 1971 (P030912)*; 6 MONTHS $749

WEST, PHILIP W; *TO ATTEND- THE INTERNATIONAL CONGRESS OF ANALYTICAL CHEMISTRY, KYOTO, JAPAN, APRIL 3-7, 1972 (P032363)*; 6 MONTHS $849

ZEBOUNI, NADIM H; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON FUNDAMENTAL PRINCIPLES IN HETEROGENEOUS CATALYSIS, VENICE, ITALY, SEPTEMBER 19 - OCTOBER 2, 1971 (Z002261)*; 6 MONTHS $587

MARYLAND

RODENHUIS, DAVID R; *TO ATTEND- SEVENTH TECHNICAL CONFERENCE ON HURRICANES AND TROPICAL METEOR., BARBADOS, WEST INDIES, DECEMBER 6-9, 1971 (A031690)*; 6 MONTHS $241

CARTER, HARRY H; *TRAVEL TO ATTEND- MEETING OF THE INTERNATIONAL COUNCIL FOR THE EXPLORATION OF THE SEA (ICES), AARHUS, DENMARK, JULY 3-8, 1972 (A033078)*; 6 MONTHS $672

OKUBO, AKIRA; *TRAVEL TO ATTEND- SYMPOSIUM ON THE PHYSICAL PROCESSES RESPONSIBLE FOR THE DISPERSAL OF POLLUTANTS IN THE SEA, AARHUS UNIVERSITY, DENMARK, JULY 3-8, 1972 (A033253)*; 6 MONTHS $577

OKUBO, AKIRA; *TRAVEL TO ATTEND- SYMPOSIUM ON THE PHYSICAL PROCESSES RESPONSIBLE FOR THE DISPERSAL OF POLLUTANTS IN THE SEA, AARHUS UNIVERSITY, DENMARK, JULY 3-8, 1972 (A033253 001)*; $160

DEUTSCH, EDWARD S; *TRAVEL SUPPORT TO ATTEND- CONFERENCE ON MACHINE PERCEPTION OF PATTERNS AND PICTURES, TEDDINGTON, MIDDLESEX, ENGLAND, APRIL 12-14, 1972 (J033237)*; 6 MONTHS $393

ZORN, GUS T; *TO ATTEND- THE EIGHTH INTERNATIONAL CONFERENCE ON HIGH ENERGY ACCELERATORS, GENEVA, SWITZERLAND, SEPTEMBER 20-24, 1971 (P030802)*; 6 MONTHS $593

WALKER, JAMES C; *TO ATTEND- FOURTH INTERNATIONAL CONFERENCE ON MOSSBAUER SPECTROSCOPY, DRESDEN, GERMAN DEMOCRATIC REPUBLIC, SEPTEMBER 20-25, 1971 (P031198)*; 6 MONTHS [illegible]

BAILEY, WILLIAM J; *TRAVEL TO- INTERNATIONAL SYMPOSIUM ON MACROMOLECULES, HELSINKI, FINLAND, JULY 2-8, 1972 (P034688)*; 6 MONTHS $450

GARDNER, MARJORIE; *INTERNATIONAL SYMPOSIUM ON CHEMICAL EDUCATION SAO PAULO BRAZIL AUGUST 30 - SEPTEMBER 3, 1971 (Z002252)*; 6 MONTHS $538

CHRZANOWSKI, PAUL; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON BLACKHOLE ASTROPHYSICS AT LES HOUCHES, FRANCE JULY 31 - AUGUST 30, 1972 (Z002593)*; 6 MONTHS $247

ENTOMOLOGICAL SOCIETY OF AMERICA

MURDOCH, WALLACE P; *TRAVEL TO ATTEND- FOURTEENTH INTERNATIONAL CONGRESS OF ENTOMOLOGY, AUSTRALIA, AUGUST 1972 (B033979)*; 12 MONTHS $10,000

MASSACHUSETTS

BERGGREN, WILLIAM A; *TO ATTEND- THE COLLOQUIUM ON THE NEOGENE-QUATERNARY BOUNDARY, KISHINEV, U.S.S.R., MAY 22 - JUNE 6, 1972 (A032251)*; 6 MONTHS $1,130

KALCKAR, HERMAN M; *TO ATTEND- SYMPOSIUM ON THE BIOCHEMISTRY OF GLYCOSIDIC LINKAGES, SAN CARLOS DE BARILOCHE, ARGENTINA, NOVEMBER 8, 1971 THROUGH NOVEMBER 11, 1971 (B031525)*; 6 MONTHS $755

STROMINGER, JACK L; *TO ATTEND- SYMPOSIUM ON THE BIOCHEMISTRY OF GLYCOSIDIC LINKAGES, SAN CARLOS DE BARILOCHE, ARGENTINA, NOVEMBER 8, 1971 THROUGH NOVEMBER 11, 1971 (B031526)*; 6 MONTHS $696

SUSSMAN, MAURICE; *TO ATTEND- SYMPOSIUM ON THE BIOCHEMISTRY OF GLYCOSIDIC LINKAGES, SAN CARLOS DE BARILOCHE, ARGENTINA, NOVEMBER 8, 1971 THROUGH NOVEMBER 11, 1971 (B031527)*; 6 MONTHS $813

PENMAN, SHELDON; *INTERNATIONAL MEETING ON BIOCHEMISTRY OF GENE EXPRESSION IN HIGHER ORGANISMS (B033985)*; 6 MONTHS $679

UHLIG, HERBERT H; *TRAVEL TO ATTEND- FIFTH INTERNATIONAL CONGRESS ON METALLIC CORROSION, TOKYO, JAPAN, MAY 21-27, 1972 (H033080)*; 6 MONTHS $881

TEICHOLZ, ERIC; *TO ATTEND- THE U.S. COMPUTER AIDED DESIGN AND COMPUTER GRAPHICS EXHIBITION, LONDON, ENGLAND, JANUARY 31 - FEBRUARY 4, 1972 (J002310)*; 6 MONTHS $445

BOOK, RONALD V; *TRAVEL TO ATTEND- SYMPOSIUM ON AUTOMATA THEORY, LANGUAGES, AND PROGRAMMING, ROCQUENCOURT, FRANCE, JULY 3-7, 1972 (J034678)*; 6 MONTHS $400

CORNELL, C ALLIN; *TO ATTEND- INTERNATIONAL CONFERENCE ON APPLICATIONS OF STATISTICS AND PROBABILITY TO SOIL AND STRUCTURAL ENGINEERING, HONG KONG, BRITISH CROWN COLONY, ASIA - SEPTEMBER 13-17, 1971 (K030302)*; 6 MONTHS $750

KENNEDY, ROBERT S; *TO ATTEND- THE SECOND INTERNATIONAL SYMPOSIUM ON INFORMATION THEORY, TSAHKADSOR, ARMENIA, U.S.S.R., SEPTEMBER 2-8, 1971 (K030433)*; 6 MONTHS $450

DIETZ, ALBERT G H; *TRAVEL TO ATTEND- INTERNATIONAL SEMINAR, FUTURE OF PLASTICS IN BUILDING, COPENHAGEN, DENMARK, APRIL 12, 1972 (K032355)*; 6 MONTHS $520

NEWTON, GEORGE C JR; *TRAVEL SUPPORT TO ATTEND- FIFTH WORLD CONGRESS OF THE INTERNATIONAL FEDERATION OF AUTOMATIC CONTROL, PARIS, FRANCE, JUNE 12-17, 1972 (K033740)*; 6 MONTHS $410

STEEL, COLIN; *TO ATTEND- SIXTH INTERNATIONAL CONFERENCE ON PHOTOCHEMISTRY, BORDEAUX, FRANCE; SEPTEMBER 6-8, 1971 (P030160)*; 6 MONTHS $489

STANLEY, H EUGENE; *TO ATTEND- THE INTERNATIONAL SEMINAR ON STATISTICAL MECHANICS AND FIELD THEORY, HAIFA, ISRAEL, JULY 25-AUGUST 6, 1971 (P030298)*; 6 MONTHS $613

STERNHEIM, MORTON M; *TO ATTEND- THE FOURTH INTERNATIONAL CONFERENCE ON HIGH ENERGY PHYSICS AND NUCLEAR STRUCTURE, DUBNA, U.S.S.R., SEPTEMBER 7-11, 1971 (P030453)*; 12 MONTHS $1,051

VAN BLERKOM, DAVID J; *TO ATTEND- THE INTERNATIONAL SYMPOSIUM ON WOLF-RAYET AND HOT STARS, LA PLATA, ARGENTINA, AUGUST 12-21, 1971 (P030471)*; 6 MONTHS $740

HAJIAN, ARSHAG; *SECOND INTERNATIONAL SYMPOSIUM ON INFORMATION THEORY, TSAHKADSOR, ARMENIA, U.S.S.R., SEPTEMBER 2-8, 1971 (P030667)*; 6 MONTHS $899

HUME, DAVID N; *TO ATTEND- THE INTERNATIONAL CONGRESS OF ANALYTICAL CHEMISTRY, KYOTO, JAPAN, APRIL 3-7, 1972 (P032364)*; 6 MONTHS $912

GRINDLAY, JONATHAN E; *TRAVEL TO DO RESEARCH WITH PROF. BROWN, UNIVERSITY OF SYDNEY, AUSTRALIA, MARCH-AUGUST, 1972 (P032924)*; 6 MONTHS $1,361

FRIEDMAN, MARVIN H; *TRAVEL TO ATTEND- FOURTH INTERNATIONAL CONFERENCE ON HIGH ENERGY COLLISIONS (STONY BROOK SERIES), OXFORD, ENGLAND, APRIL 5-7, 1972 (P033936)*; 6 MONTHS $273

STEIN, ROBERT F; *INTERNATIONAL TRAVEL TO- CARRY ON RESEARCH ON THE INTERSTELLAR MEDIUM AT IOTA (CAMBRIDGE, ENGLAND) (P034587)*; 6 MONTHS $304

DEWALD, ROBERT R; *TRAVEL TO- CONFERENCE ON NATURE OF METAL-AMMONIA SOLUTIONS- COLLOQUIUM WEYL III, UPPER GALILEE, ISRAEL, JUNE 10-13, 1972 (P034700)*; 6 MONTHS $967

WARDLE, JOHN F C; *TRAVEL SUPPORT TO MAKE OBSERVATIONS WITH THE WESTERBORK SYNTHESIS RADIO TELESCOPE AT LEIDEN, HOLLAND, JULY AND AUGUST 1972 (P034787)*; 6 MONTHS $636

BARTLETT, PAUL D; *TRAVEL TO- FIRST IUPAC CONFERENCE ON PHYSICAL-ORGANIC CHEMISTRY, CRANS SUR SIERRE, SWITZERLAND, SEPTEMBER 4-8, 1972 (P034823)*; 6 MONTHS $526

LIEBERMAN, DAVID I; *TO ATTEND- ANNUAL RESEARCH CONFERENCE IN ALGEBRA, BONN, GERMANY, JUNE 9-16, 1972 (P034845)*; 6 MONTHS $600

WAUGH, JOHN S; *TRAVEL TO ATTEND- SEVENTEENTH CONGRESS AMPERE, TURKU, FINLAND, AUGUST 21-26, 1972 (P034851)*; 6 MONTHS $735

RIENSTRA, M HOWARD; *TRAVEL TO CONDUCT RESEARCH IN ARCHIVES, ROME, JANUARY 3-29, 1972 (S031981)*; 6 MONTHS $525

EMERY, K O; *TRAVEL TO ATTEND- SEVENTH SESSION OF THE INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION, PARIS, FRANCE, OCTOBER 25 - NOVEMBER 6, 1971 (X031525)*; 6 MONTHS $752

WEBSTER, FERRIS; *TO ATTEND- THE SEVENTH SESSION OF THE INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION, PARIS, FRANCE, OCTOBER 26 - NOVEMBER 5, 1971 (X031533)*; 6 MONTHS $913

FRIEDMAN, KENNETH A; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON DUALITY IN ELEMENTARY PARTICLES, LOUVAIN, BELGIUM, AUGUST 30 - SEPTEMBER 16, 1971 (Z002234)*; 6 MONTHS $372

BLACK, JOHN HARRY; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON ATOMS AND MOLECULES IN ASTROPHYSICS, STIRLING, SCOTLAND, AUGUST 1-21, 1971 (Z002237)*; 6 MONTHS $343

GARDNER, GARY M; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON PHYTOCHROME, ATHENS, GREECE, AUGUST 30 - SEPTEMBER 17, 1971 (Z002242)*; 6 MONTHS $450

MACQUEEN, DAVID B; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON MATHEMATICAL LOGIC, CAMBRIDGE, ENGLAND, AUGUST 1-21, 1971 (Z002245)*; 6 MONTHS $203

FOSTER, JAMES N; *ASI ON CONT DRIFT SEA-FLR SPREAD&PLATE TECT IMPLIC FOR E-SCI 4/10-14/72 (Z002526)*; 6 MONTHS $477

GANS, ROGER F; *ADV ST INST ON MAG PHENOMENA IN ROTATING FLDS CAMB ENG 6/26-7/4/72 (Z002548)*; 6 MONTHS $593

JAFFE, JACK; *ADV ST INST ON COSMOL&GRAVITATION COSMOLOG MODELS ERICE IT 5/10-20/72 (Z002545)*; 6 MONTHS $488

SETZER, CHARLES B; *ASI MOD FUNCT/1 VARIABLE&ARITHMET APPLIC ANTWERP BELG 7/17-802/72 (Z002551)*; 6 MONTHS $322

ROSENBERG, MARLENE; *HIGH ENERGY ASTROPHYS&ITS REL TO ELEM PARTICLE PHY ERICE SIC 6/16-7/6/2 (Z002567)*; 6 MONTHS $417

HOVIS, GUY L; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON FELDSPARS AT MANCHESTER, ENGLAND JULY 11-20, 1972 (Z002576)*; $438

KEYES, THOMAS F; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON MOLECULAR DYNAMICS IN SIMPLE LIQUIDS AT MENTON, FRANCE, JULY 2-13, 1972 (Z002601)*; 6 MONTHS $372

AMERICAN METEOROLOGICAL SOCIETY

SPENGLER, KENNETH C; *TRAVEL SUPPORT FOR U.S.-AUSTRALIA WEATHER MODIFICATION CONFERENCE (I030382)*; 6 MONTHS $16,000

MICHIGAN

BECK, CHARLES B; *TO ATTEND- THE SILVER JUBILEE OF THE BIRBAL SAHNI INSTITUTE OF PALEOBOTANY, LUCKNOW, INDIA, DECEMBER 5-11, 1971 (B031655)*; 6 MONTHS $1,046

SPARROW, FREDERICK K; *TRAVEL TO ATTEND- MARINE MYCOLOGY SYMPOSIUM, BREMERHAVEN, GERMANY, SEPTEMBER 1972 (B034749)*; 6 MONTHS $644

RUSSELL, JOEL W; *TO DEVELOP COOPERATIVE RESEARCH PROJECT WITH SCIENTISTS AT THE AUSTRALIAN NATIONAL UNIVERSITY, CANBERRA, AUSTRALIA (F034396)*; 18 MONTHS $1,353

SACHS, HERBERT K; *TO ATTEND- SECOND INTERNATIONAL CONFERENCE ON VEHICLE MECHANICS - PARIS, FRANCE SEPTEMBER 6-10, 1971 (K030303)*; 6 MONTHS $310

PATTON, JOHN T; *TRAVEL TO ATTEND- THE FOURTH INTERNATIONAL FERMENTATION SYMPOSIUM, KYOTO, JAPAN, MARCH 19-25, 1972 (K032428)*; 6 MONTHS $630

YEH, GREGORY S Y; *TO ATTEND- NINTH IUPAC MICROSYMPOSIUM ON MACROMOLECULES, PRAGUE, CZECHOSLOVAKIA, SEPTEMBER 6-9, 1971 (P030247)*; 6 MONTHS $660

RICH, ARTHUR; *TRAVEL TO ATTEND- THE FOURTH INTERNATIONAL CONFERENCE ON ATOMIC MASSES AND FUNDAMENTAL CONSTANTS BEING HELD IN TEDDINGTON, ENGLAND, SEPTEMBER 6-10, 1971 (P030403)*; 12 MONTHS $588

BARTELL, LAWRENCE S; *TRAVEL SUPPORT TO- LECTURE AT MOSCOW STATE UNIVERSITY AND TO ATTEND THE SIXTH HUNGARIAN CONFERENCE ON X-RAYS, ELECTRON, AND NEUTRON DIFFRACTION, MAY 15-JUNE 15, 1972 (P033662)*; 6 MONTHS $561

JOHNSON, CARL R; *TRAVEL SUPPORT TO ATTEND- FIFTH SYMPOSIUM ON ORGANIC SULFUR CHEMISTRY, LUND, SWEDEN, JUNE 5-9, 1972 (P033701)*; 6 MONTHS $662

HART, HAROLD; *TRAVEL TO- FOURTH INTERNATIONAL SYMPOSIUM ON PHOTOCHEMISTRY, BADEN-BADEN, GERMANY, JULY 16-22, 1972 (P034706)*; 6 MONTHS $726

FORD, GEORGE W; *TRAVEL TO ATTEND- BOLTZMANN EQUATION SYMPOSIUM, VIENNA, AUSTRIA, SEPTEMBER 4-8, 1972 (P035014)*; 12 MONTHS $288

MORGAN, JAMES N; *TO ATTEND- 'NINTH INTERNATIONAL CONGRESS OF GERONTOLOGY,' KIEV, USSR, JULY 2-7, 1972 (S032820)*; 12 MONTHS $650

JURDY, DONNA M; *TO ATTEND- ADVANCED STUDY INSTITUTE ON CONTINENTAL DRIFT, SEA-FLOOR SPREADING AND PLATE TECTONICS-IMPLICATIONS FOR EARTH SCIENCE AT NEWCASTLE UPON TYNE, U.K. (Z002537)*; 6 MONTHS $302

WOODBY, LAUREN G; *2ND INTERNATL CONGRESS ON MATHEMATICAL EDUC EXETER ENGLAND 8/29-9/2/72 (Z002547)*; 6 MONTHS $360

WEISS, MARK L; *ADV ST INST ON PRIMATE GENETIC BIOLOGY TURIN ITALY 6/7-19/72 (Z002550)*; 6 MONTHS $334

CARROLL, RAYMOND; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON ELECTROMAGNETIC INTERACTIONS OF ELEMENTARY SYSTEMS AT CARGESE, FRANCE, JULY 2-29, 1972 (Z002597)*; 6 MONTHS $356

MINNESOTA

HILL, REUBEN; *TRAVEL TO ATTEND- MEETING OF THE INTERNATIONAL SOCIOLOGICAL ASSOCIATION, MILAN, ITALY TWELFTH INTERNATIONAL FAMILY RESEARCH SEMINAR, MOSCOW, USSR, APRIL 12-15 AND APRIL 16-23, 1972 (F032903)*; 6 MONTHS $903

GERBERICH, WILLIAM W; *TRAVEL TO ATTEND- CONFERENCE ON FAILURE OF FIBRE REINFORCED COMPOSITE MATERIALS, UNIVERSITY OF SURREY, GUILDFORD, ENGLAND, JULY 17-19, 1972 (H033296)*; 6 MONTHS $523

LEE, E BRUCE; *TO ATTEND THE - FIFTH ALL-UNION CONFERENCE ON CONTROL PROBLEMS, MOSCOW, U.S.S.R., OCTOBER 4 THROUGH OCTOBER 8, 1971 (K030989)*; 6 MONTHS $450

LAMBERT, ROBERT F; *TO ATTEND- THE MEETING ON ACOUSTICS OF FLOW DUCTS, UNIVERSITY OF SOUTHAMPTON, ENGLAND, JANUARY 10-14, 1972 (K031501)*; 6 MONTHS $350

PFENDER, EMIL; *TRAVEL TO ATTEND- FIFTH ALL UNION CONFERENCE ON LOW TEMPERATURE PLASMA GENERATORS, NOVOSIBIRAS, U.S.S.R., JUNE 26-30, 1972 (K033331)*; 6 MONTHS $460

MCGEHEE, RICHARD PAUL; *TO ATTEND- INTERNATIONAL SYMPOSIUM ON DYNAMICAL SYSTEMS, SALVADOR, BRAZIL, JULY 26 - AUGUST 14, 1971 (P030397)*; 6 MONTHS $538

WEINBERGER, HANS F; *TO ATTEND- SYMPOSIUM ON CONTINUUM MECHANICS AND RELATED PROBLEMS OF ANALYSIS, TBILISI, GEORGIA, U.S.S.R., SEPTEMBER 23-29, 1971 (P030806)*; 6 MONTHS $971

PARISH, LESLIE J; *TRAVEL SUPPORT TO WORK WITH PROFESSOR L. H. NOSANOW AT THE UNIVERSITY OF SUSSEX, ENGLAND, FEBRUARY-MARCH, 1972 (P032750)*; 12 MONTHS $275

DAVIS, H TED; *TRAVEL TO- CONFERENCE ON NATURE OF METAL-AMMONIA SOLUTIONS- COLLOQUIUM WEYL III, UPPER GALILEE, ISRAEL, JUNE 19-23, 1972 (P034701)*; 6 MONTHS $1,174

CRAWFORD, BRYCE JR; *TRAVEL TO ATTEND- INTERNATIONAL SUMMER SCHOOL ON MOLECULAR DYNAMICS IN SIMPLE LIQUIDS, MENTON, FRANCE, JULY 2-13, 1972 (P034789)*; 6 MONTHS $850

HILL, REUBEN; *TRAVEL TO ATTEND- 'INTERNATIONAL SOCIOLOGICAL CONFERENCE ON MODERNIZATION,' WARSAW, POLAND, JUNE 11-18, 1972 (S033541)*; 6 MONTHS $945

MIKKELSON, RAYMOND C; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON INTERACTION OF ENERGETIC CHARGED PARTICLES WITH SOLIDS, ISTANBUL, TURKEY, AUGUST 16-28, 1971 (Z002262)*; 6 MONTHS $553

MISSISSIPPI

YOUNG, POH SHIEN; *TRAVEL TO ATTEND- EIGHTH INTERNATIONAL CONFERENCE ON NUCLEAR PHOTOGRAPHY AND SOLID STATE TRACK DETECTORS, BUCHAREST, RUMANIA, JULY 10-15, 1972 (P034689)*; 6 MONTHS $344

MISSOURI

MUHLESTEIN, LEWIS D; *TRAVEL SUPPORT TO ATTEND- THE FIFTH IAEA SYMPOSIUM ON NEUTRON INELASTIC SCATTERING, GRENOBLE, FRANCE, MARCH 6-10, 1972 (H032815)*; 6 MONTHS $700

MULLER, MARCEL W; *TRAVEL TO ATTEND- 1972 INTERNATIONAL CONFERENCE ON MAGNETICS, KYOTO, JAPAN, APRIL 10-13, 1972 (H033066)*; 6 MONTHS $508

KREIDL, NORBERT J; *TRAVEL TO ATTEND- ANNUAL MEETING OF THE INTERNATIONAL COMMISSION ON GLASS, WIESBADEN, GERMANY, JULY 3-8, 1972 (H034187)*; 6 MONTHS $464

LEE, SOOK; *TRAVEL TO ATTEND- THE SEVENTEENTH COLLOQUE AMPERE, UNIVERSITY OF TURKU, FINLAND, AUGUST 21-26, 1972 (H034758)*; 6 MONTHS $873

KREIDL, NORBERT J; *TO ATTEND- THE NINTH INTERNATIONAL CONGRESS ON GLASS, PARIS, FRANCE, SEPTEMBER 27 - OCTOBER 2, 1971 (K030468)*; 6 MONTHS $480

BULL, STANLEY R; *TO ATTEND- IAEA SEMINAR ON NUMERICAL REACTOR CALCULATIONS, VIENNA, AUSTRIA, JANUARY 17-21, 1972 (K031651)*; 6 MONTHS $400

SUMMERS, DAVID A; *TRAVEL TO ATTEND- INTERNATIONAL SYMPOSIUM ON JET CUTTING TECHNOLOGY, COVENTRY, ENGLAND, APRIL 5-7, 1972 (K032356)*; 6 MONTHS $320

NEBRASKA

SCHULTZ, C BERTRAND; *TRAVEL TO ATTEND- INTERNATIONAL COLLOQUIUM (INQUA), 'THE BOUNDARY BETWEEN THE NEOGENE AND QUATERNARY,' U.S.S.R. ACADEMY OF SCIENCES, MAY 21 -JUNE 5, 1972 (A033139)*; 6 MONTHS $982

NEVADA

TELFORD, JAMES W; *TRAVEL TO ATTEND- INTERNATIONAL CLOUD PHYSICS CONFERENCE, LONDON, ENGLAND, AUGUST 21-26, 1972 (A034988)*; 6 MONTHS $927

MOUSSET-JONES, PIERRE F X; *TRAVEL TO ATTEND- TENTH INTERNATIONAL SYMPOSIUM ON COMPUTER APPLICATIONS IN MINERAL INDUSTRY, JOHANNESBURG, SOUTH AFRICA, APRIL 1972 (J032377)*; 6 MONTHS $1,114

NEW HAMPSHIRE

FLANDERS, STEPHEN N; *TO ATTEND- ADVANCED STUDY INSTITUTE ON SYSTEM DYNAMICS-A METHODOLOGY FOR ANALYSIS OF COMPLEX SOCIAL SYSTEMS AT HANOVER, GERMANY ON JULY 30-AUGUST 11, 1972 (Z002540)*; 6 MONTHS $512

NEW JERSEY

MILLS, EDWIN S; *TRAVEL TO ATTEND- INTERNATIONAL ECONOMIC ASSOCIATION MEETING ON ENVIRONMENT AND URBANIZATION, COPENHAGEN, DENMARK, JUNE 19-24, 1972 (F034397)*; 6 MONTHS $681

STAR, AURA E; *TRAVEL TO ATTEND- INTERNATIONAL SYMPOSIUM ON CHEMISTRY, EVOLUTION AND SYSTEMATICS, STRASBOURG, FRANCE, JULY 3-8, 1972 (F034642)*; 6 MONTHS $475

CHEN, CHUAN FANG; *TO SPEND ONE YEAR AT THE UNIVERSITY OF CAMBRIDGE, ENGLAND, TO DO RESEARCH ON THE PROBLEM OF STABILITY OF THERMOHALINE CONVECTION IN A DENSITY-STRATIFIED FLUID - SEPTEMBER 1, 1971 THROUGH AUGUST 31, 1972 (K030169)*; 12 MONTHS $450

LAM, SAU-HAI; *TO ATTEND- THE INTERNATIONAL SYMPOSIUM ON DYNAMICS OF IONIZED GASES, TOKYO, JAPAN, SEPTEMBER 13-18, 1971 (K030429)*; 6 MONTHS $500

SCANLAN, ROBERT H; *TO ATTEND- THE THIRD INTERNATIONAL CONFERENCE ON WIND EFFECTS ON BUILDINGS AND STRUCTURES, TOKYO, JAPAN, SEPTEMBER 6-11, 1971 (K030457)*; 6 MONTHS $500

PETRIE, TED E; *TO ATTEND- THE INTERNATIONAL CONFERENCE ON TOPOLOGY, OBERWOLFACH, GERMANY, SEPTEMBER 13-21, 1971 (P030933)*; 12 MONTHS $564

PETRYSHYN, W V; *TO ATTEND- CONFERENCE ON FUNCTIONAL ANALYSIS, OBERWOLFACH - GERMANY, OCTOBER 3-9, 1971 (P030937)*; 12 MONTHS $536

SIBNER, LESLEY M; *TO ATTEND- SYMPOSIUM ON GLOBAL ANALYSIS, CONVENTRY, ENGLAND AND TRIESTE, ITALY, JUNE-AUGUST 1972 (P034722)*; 6 MONTHS $697

GROT, RICHARD; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON FINITE ELEMENT METHODS IN CONTINUUM MECHANICS LISBON, PORTUGAL, SEPTEMBER 7-17, 1971 (Z002263)*; 6 MONTHS $340

GELLER, MARGARET J; *TO ATTEND- ADVANCED STUDY INSTITUTE ON HIGH ENERGY ASTROPHYSICS AND ITS RELATION TO ELEMENTARY PARTICLE PHYSICS AT ERICE, ITALY ON JUNE 16 - JULY 6, 1972 (Z002558)*; 6 MONTHS $428

ZUCKERMAN, GREGG J; *ADV ST INST ON MODULAR FUNCT/1 VARIABLE&ARITH APPL ANTW BEL 7/17-8/2/72 (Z002560)*; 6 MONTHS $327

DEVORE, DAVID I; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON CHARGED AND CATALYTIC POLYMERS AT FORGES-LES-EAUX, FRANCE ON JUNE 18-28, 1972 (Z002577)*; 6 MONTHS $642

CASWELL, WILLIAM E; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON THEORETICAL PHYSICS - STRONG INTERACTIONS AT KAISERSLAUTERN, GERMANY, JULY 17-28, 1972 (Z002583)*; 6 MONTHS $491

SOPER, DAVISON E; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON HIGH-LIGHTS IN PARTICLE PHYSICS AT ERICE, ITALY, JULY 7-29, 1972 (Z002585)*; 6 MONTHS $418

NEW MEXICO

AHLUWALIA, HARJIT S; *TO ATTEND- THE TWELFTH INTERNATIONAL CONFERENCE ON COSMIC RAYS (A030386)*; 6 MONTHS $1,082

NEW YORK

NINKOVICH, CHARLES D; *TO COMPLETE EDITORIAL WORK ON THE ACTA OF THE INTERNATIONAL SCIENTIFIC CONGRESS ON THE VOLCANO OF THERA, GREECE, SEPTEMBER 1969, VISIT ATHENS, AND THE AEGEAN ISLANDS, AUGUST 16, 1971 -SEPTEMBER 30, 1971 (A030754)*; 6 MONTHS $442

BE, ALLAN W H; *TRAVEL TO ATTEND- SCOR/UNESCO WORKING GROUP 23 SYMPOSIUM-WORKSHOP ON ZOOPLANKTON PRESERVATION, UNIVERSITY OF BATH, ENGLAND, JULY 13-19, 1972 (A033260)*; 6 MONTHS $552

LITTLE, FRANK J JR; *TRAVEL SUPPORT TO ATTEND- MEETING OF SOC. OF ENGINEERING SCIENCE, FIRST INTERNATIONAL MEETING POLLUTION- ENGINEERING AND SCIENTIFIC SOLUTIONS, TEL AVIV, ISRAEL JUNE 12-17, 1972 (A033[illegible])*; 6 MONTHS $1,086

MORSE, DAVID L; *TRAVEL TO ATTEND- SECOND TROPICAL CONFERENCE ON PULSED, HIGH-BETA PLASMAS, GARCHING-BEI-MUNCHEN, WEST GERMANY, JULY 3-6, 1972 (A034984)*; 6 MONTHS $719

KHAN, ANWAR A; *TRAVEL TO THE UNIVERSITY OF LIEGE FOR RESEARCH, LIEGE, BELGIUM, OCTOBER 15, 1971 THROUGH APRIL 14, 1972 (B030355)*; 9 MONTHS $517

FOOTE, ROBERT H; *TRAVEL TO ATTEND- SEVENTH WORLD CONGRESS ON FERTILITY AND STERILITY, TOKYO AND KYOTO, JAPAN, OCTOBER 16-25, 1971 (B030539)*; 6 MONTHS $1,039

SHERMAN, FRED; *TRAVEL TO ATTEND- BIOCHEMISTRY OF GENE EXPRESSION IN HIGHER ORGANISMS, AUSTRALIA, MAY 1972 (B033981)*; 6 MONTHS $800

AARONSON, SHELDON; *TRAVEL TO ATTEND- SYMPOSIUM OF MODERN METHODS IN THE STUDY OF MICROBIAL ECOLOGY, UPPSALA, SWEDEN, JUNE 19-23, 1972 (B034698)*; 6 MONTHS $400

BARR, CHARLES E; *TRAVEL TO ATTEND- WORKSHOP ON ION TRANSPORT IN PLANTS, ENGLAND, JULY 1972 (B034726)*; 6 MONTHS $411

SPANSWICK, ROGER M; *TRAVEL TO ATTEND- WORKSHOP ON ION TRANSPORT IN PLANTS, ENGLAND, JULY 1972 (B034817)*; 6 MONTHS $610

MARSHAK, ROBERT E; *TRAVEL SUPPORT TO ATTEND- MEETINGS OF THE CONTINUING COMMITTEE OF THE INTERNATIONAL FOUNDATION FOR SCIENCE, AND THE CONSTITUENT ASSEMBLY, PARIS, FRANCE, OCTOBER 16-21, 1971 (F030929)*; 6 MONTHS $499

PALMER, ALLISON R; *TRAVEL TO- EXAMINE THE CAMBRIAN STRATIGRAPHY OF THE MEDITERRANEAN LITTORAL, MAY 4-28, 1972 (F034499)*; 6 MONTHS $435

RICHARDSON, ROBERT C; *TRAVEL SUPPORT TO ATTEND- THE EUROPHYSICS STUDY CONFERENCE ON THERMOMETRY AND THERMAL CONTACT, ALBE', FRANCE, APRIL 11-14, 1972* (H032852); 6 MONTHS $527

SHINOZUKA, MASANOBU; *TRAVEL TO- VISIT AND MAKE SURVEY OF JAPANESE RESEARCH INSTITUTES CONCERNING EARTHQUAKES AND EXPLORE POSSIBILITY OF FUTURE U.S.-JAPAN JOINT RESEARCH, JULY 1972* (J034859); 6 MONTHS $1,000

HERMAN, GABOR T; *TRAVEL SUPPORT TO ATTEND- THE SEVENTH INTERNATIONAL MACHINE INTELLIGENCE WORKSHOP, EDINBURGH, SCOTLAND, JUNE 5-10, 1972* (J033015); 6 MONTHS $523

STILLMAN, ALAN H; *TRAVEL TO ATTEND- TECHNICAL COMMITTEE ON COMPUTERS AND INFORMATION PROCESSING AND SUBCOMMITTEE ON DATA COMMUNICATIONS, BERLIN, GERMANY, JUNE 12-16, 1972, TURIN, ITALY, JUNE 20-22, 1972* (J033609); 6 MONTHS $755

GROSCH, CHESTER E; *VISIT READING UNIVERSITY, ENGLAND BY INVITATION OF PROFESSOR HOCKNEY, CHAIRMAN OF THE DEPARTMENT OF COMPUTER SCIENCE, JULY-SEPTEMBER 1972* (J034654); 6 MONTHS $520

KU, WALTER H; *TO ATTEND- 1971 EUROPEAN MICROWAVE CONFERENCE -STOCKHOLM, SWEDEN - AUGUST 23-28, 1971* (K030267); 6 MONTHS $500

HESSEL, ALEXANDER; *TO ATTEND- 1971 EUROPEAN MICROWAVE CONFERENCE-STOCKHOLM, SWEDEN-AUGUST 23-28, 1971* (K030268); 6 MONTHS $400

FELSEN, LEOPOLD B; *TO ATTEND- THE INTERNATIONAL SYMPOSIUM ON ELECTROMAGNETIC WAVE THEORY, TBILISI, U.S.S.R., SEPTEMBER 9-15, 1971* (K030391); 6 MONTHS $600

CHENG, DAVID K; *TO ATTEND- THE INTERNATIONAL SYMPOSIUM ON ANTENNAS AND PROPAGATION, SENDAI, JAPAN SEPTEMBER 1-3, 1971* (K030395); 6 MONTHS $500

MARSHALL, THOMAS C; *TO ATTEND- THE THIRD INTERNATIONAL CONFERENCE ON QUIESCENT PLASMA, ELSINORE, DENMARK, SEPTEMBER 20-24, 1971* (K030439); 6 MONTHS $350

GHAUSI, MOHAMMED S; *TO ATTEND- THE 1971 IEEE INTERNATIONAL SYMPOSIUM ON ELECTRICAL NETWORK THEORY, LONDON, ENGLAND, SEPTEMBER 6-10, 1971* (K030445); 6 MONTHS $200

SZENTIRMAI, GEORGE; *TO ATTEND- THE 1971 IEEE INTERNATIONAL SYMPOSIUM ON ELECTRICAL NETWORK THEORY, LONDON, ENGLAND, SEPTEMBER 6-10, 1971* (K030447); 6 MONTHS $200

SHINOZUKA, MASANOBU; *TO ATTEND- THE THIRD INTERNATIONAL CONFERENCE ON WIND EFFECTS ON BUILDINGS AND STRUCTURES, TOKYO, JAPAN, SEPTEMBER 6-11, 1971* (K030460); 6 MONTHS $500

SU, GOUQ-JEN; *TO ATTEND- THE NINTH INTERNATIONAL CONGRESS ON GLASS, PARIS, FRANCE, SEPTEMBER 27 - OCTOBER 2, 1971* (K030467); 6 MONTHS $550

CASSEDY, EDWARD S JR; *TO VISIT ATOMIC ENERGY LABORATORIES (WORKING ON LASER-PRODUCED PLASMAS), LONDON, ENGLAND AND ROME, ITALY, NOVEMBER 1971* (K030727); 6 MONTHS $47[illegible]

GROSS, ERIC T B; *TRAVEL TO ATTEND- THE INTERNATIONAL SYMPOSIUM ON HIGH VOLTAGE TECHNOLOGY, MUNICH, GERMANY, MARCH 9-14, 1972* (K032185); 6 MONTHS $341

GROB, DAVID; *TRAVEL TO ATTEND- 1972 INTERNATIONAL CONFERENCE ON MAGNETICS, KYOTO, JAPAN, APRIL 10-13, 1972* (K032742); 6 MONTHS $820

WHITE, RICHARD N; *TRAVEL TO ATTEND- SYMPOSIUM ON MODEL ANALYSIS, SYDNEY, AUSTRALIA, MAY 16-18, 1972* (K032743); 6 MONTHS $1,030

MATIJEVIC, EGON; *TRAVEL TO ATTEND- SYMPOSIUM ON PARTICLE GROWTH IN SUSPENSIONS, LONDON, ENGLAND, APRIL 24-26, 1972* (K032754); 6 MONTHS $504

SCHILLING, DONALD L; *TRAVEL TO ATTEND- POPOV SOCIETY MEETING, MOSCOW, USSR, MAY 1972* (K032937); 6 MONTHS $700

SHAW, DAVID T; *TRAVEL TO ATTEND- THIRD INTERNATIONAL CONFERENCE ON THERMIONIC ELECTRIC POWER GENERATION, JULICH, FEDERAL REPUBLIC OF GERMANY, JUNE 5-9, 1972* (K033330); 6 MONTHS $400

BENENSON, DAVID M; *TRAVEL TO ATTEND- FIFTH ALL UNION CONFERENCE ON LOW TEMPERATURE PLASMA GENERATORS, NOVOSIBIRSK, U.S.S.R., JUNE 26-30, 1972* (K033336); 6 MONTHS $710

BERGER, MELVYN S; *TO ATTEND- A SUMMER SCHOOL ON SPECTRAL ANALYSIS OF NONLINEAR OPERATORS IN STIRIN, CZECHOSLOVAKIA, SEPTEMBER 13-17, 1971* (P030158); 6 MONTHS $563

WEST, JAMES E; *TO ATTEND- THE THIRD PRAGUE SYMPOSIUM ON GENERAL TOPOLOGY, PRAGUE, CZECHOSLOVAKIA, AUGUST 30 -SEPTEMBER 3, 1971* (P030534); 6 MONTHS $630

JANZ, GEORGE J; *TO VISIT UNIVERSITIES AND RESEARCH INSTITUTES TO DISCUSS RESEARCH IN ELECTROCHEMISTRY IN MOSCOW, KIEV AND LENINGRAD, U.S.S.R., NOVEMBER 1971* (P030728); 6 MONTHS $180

SUNDELIN, RONALD M; *TO ATTEND- THE EIGHTH INTERNATIONAL CONFERENCE ON HIGH ENERGY ACCELERATORS, GENEVA, SWITZERLAND, SEPTEMBER 20-24, 1971* (P030803); 12 MONTHS $484

VON BORSTEL, ERNEST; *TO ATTEND- THE EIGHTH INTERNATIONAL CONFERENCE ON HIGH ENERGY ACCELERATORS, GENEVA, SWITZERLAND, SEPTEMBER 20-24, 1971* (P030816); 12 MONTHS $645

FOSSAN, DAVID B; *ONE YEAR SABBATICAL AT UNIVERSITY OF MUNICH, GERMANY, AUGUST 28, 1971 - AUGUST 1, 1972* (P030898); 12 MONTHS $544

FLEISCHER, ROBERT L; *TRAVEL EXPENSES FOR A SCIENTIFIC VISIT TO THE JOINT INSTITUTE FOR NUCLEAR RESEARCH, DUBNA, U.S.S.R., SEPTEMBER 21, 1971 - OCTOBER 8, 1971* (P030925); 12 MONTHS $290

ACKERBERG, ROBERT C; *TO SPEND A YEAR OF SABBATICAL LEAVE IN THE DEPARTMENT OF MATHEMATICS, UNIVERSITY COLLEGE, LONDON, ENGLAND, SEPTEMBER 1, 1971 THROUGH AUGUST 31, 1972* (P030934); 18 MONTHS $502

PRABHU, NARAHARI U; *TO ATTEND- CONFERENCE ON STORAGE THEORY, GYOR, HUNGARY, SEPTEMBER 12-18, 1971* (P030935); 12 MONTHS $706

KELLER, JOSEPH B; *TO ATTEND- INTERNATIONAL SYMPOSIUM ON ELECTROMAGNETIC WAVE THEORY, TBILISI, U.S.S.R., SEPTEMBER 9-15, 1971* (P030936); 12 MONTHS $850

NANCOLLAS, GEORGE H; *TO ATTEND- THIRD AUSTRALIAN ELECTROCHEMISTRY CONFERENCE, TERRIGAL, NEW SOUTH WALES, AUSTRALIA, FEBRUARY 16-18, 1972* (P031822); 6 MONTHS $184

DIPRIMA, RICHARD C; *TO CONDUCT RESEARCH AT IMPERIAL COLLEGE, LONDON, ENGLAND, JANUARY 24, 1972 - FEBRUARY 4, 1972* (P031834); 6 MONTHS $444

. BRUCKENSTEIN, STANLEY; *TRAVEL TO ATTEND- THE INTERNATIONAL CONGRESS OF ANALYTICAL CHEMISTRY, KYOTO, JAPAN, APRIL 3-7, 1972* (P032359); 6 MONTHS $965

MORRISON, GEORGE H; *TO ATTEND- THE INTERNATIONAL CONGRESS OF ANALYTICAL CHEMISTRY, KYOTO, JAPAN, APRIL 3-7, 1972* (P032365); 6 MONTHS $1,046

BOROWITZ, IRVING J; *TRAVEL TO- ZURICH, SWITZERLAND TO SPEND SABBATICAL SUMMER IN RESEARCH AT EIDGENOSSISCHE TECHNISCHE HOCHSCHULE (ETH), MAY-JULY, 1972* (P03[illegible]); 6 MONTHS $[illegible]

CHASE, STEPHEN U; *TO ATTEND- CONFERENCE ON RINGS, MODULES AND HOMOLOGICAL METHODS, OBERWOLFACH, GERMANY, APRIL 30-MAY 6, 1972* (P033187); 6 MONTHS $382

OWEN, TOBIAS; *TRAVEL TO ATTEND- SYMPOSIUM ON THE ORIGIN OF THE SOLAR SYSTEM, NICE, FRANCE, APRIL 3-8, 1972* (P033282); 6 MONTHS $562

ROSEN, ROBERT; *TO- COLLABORATE WITH SOVIET SCIENTISTS AT THE UNIVERSITIES IN MOSCOW, LENINGRAD AND NOVOSIBIRSK CONCERNING APPLICATION OF MATHEMATICAL TECHNIQUES TO BIOLOGICAL SYSTEMS DURING APRIL 1972* (P033317); 6 MONTHS $600

RAMIREZ, FAUSTO; *TRAVEL TO ATTEND- FIFTH ALL UNION ORGANOPHOSPHORUS CONFERENCE, MOSCOW, USSR, JUNE 26-30, 1972* (P034265); 6 MONTHS $918

KERKER, MILTON; *TRAVEL TO- INTERNATIONAL CONFERENCE 'CHEMISTRY AT INTERFACES', JUNE 27-JULY 8, 1972, ROVINJ, YUGOSLAVIA* (P034616); 6 MONTHS $746

TURRO, NICHOLAS J; *TRAVEL TO- FOURTH INTERNATIONAL SYMPOSIUM ON ORGANIC PHOTOCHEMISTRY, BADEN-BADEN, GERMANY, JULY 16-22, 1972* (P034703); 6 MONTHS $539

PADWA, ALBERT; *TRAVEL TO- FOURTH INTERNATIONAL SYMPOSIUM ON PHOTOCHEMISTRY, BADEN-BADEN, GERMANY, JULY 16-22, 1972* (P034705); 6 MONTHS $550

RITCHIE, CALVIN D; *TRAVEL TO- FIRST IUPAC CONFERENCE ON PHYSICAL ORGANIC CHEMISTRY, CRANS SUR SIERRE, SWITZERLAND, SEPTEMBER 4-8, 1972* (P034828); 6 MONTHS $595

ZUMAN, PETR; *TRAVEL TO- FIRST IUPAC CONFERENCE ON PHYSICAL ORGANIC CHEMISTRY, CRANS SUR SIERRE, SWITZERLAND, SEPTEMBER 4-8, 1972* (P034829); 6 MONTHS $515

LICHTENBAUM, STEPHEN; *TO ATTEND- ANNUAL RESEARCH CONFERENCE IN ALGEBRA, BONN, GERMANY, JUNE 9-16. 1972* (P034844); 6 MONTHS $700

CONDRATE, ROBERT A SR; *TRAVEL TO ATTEND- THIRD INTERNATIONAL CONFERENCE ON RAMAN SPECTROSCOPY, REIMS, FRANCE, SEPTEMBER 8-13, 1972* (P034849); 6 MONTHS $534

BAZER, JACK; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON MAGNETOHYDRODYNAMIC PHENOMENA IN ROTATING FLUIDS, CAMBRIDGE, ENGLAND, JUNE 25 - JULY 4, 1972* (P034852); 6 MONTHS $590

MCNULTY, PETER J; *TRAVEL TO ATTEND- EIGHTH INTERNATIONAL CONFERENCE ON NUCLEAR PHOTOGRAPHY AND SOLID STATE TRACK DETECTORS, BUCHAREST, RUMANIA, JULY 10-15, 1972* (P035015); 12 MONTHS $700

GLASER, WILLIAM A; *TO ATTEND- 'CONFERENCE ON CROSS NATIONAL SURVEY RESEARCH,' BUDAPEST, HUNGARY, JULY 24-28, 1972* (S032512); 12 MONTHS $630

GROSS, FELIKS; *TO ATTEND- 'INTERNATIONAL CONFERENCE ON PROBLEMS AND PERSPECTIVES OF BORDER REGIONS,' GORIZIA, ITALY, MARCH 24-27, 1972* (S033138); 12 MONTHS $629

HAYES, DENNIS E; *TRAVEL TO ATTEND- THE INTERNATIONAL SYMPOSIUM ON THE OCEANOGRAPHY OF THE SOUTH PACIFIC, WELLINGTON, NEW ZEALAND, FEBRUARY 9-15, 1972* (V032477); 6 MONTHS $1,308

GORDON, ARNOLD L; *TRAVEL TO ATTEND- THE INTERNATIONAL SYMPOSIUM ON THE OCEANOGRAPHY OF THE SOUTH PACIFIC, WELLINGTON, NEW ZEALAND, FEBRUARY 9-15, 1972* (V032479); 6 MONTHS $620

DALZIEL, IAN W D; *TRAVEL TO ATTEND- NATO ADVANCED STUDY INSTITUTE, UNIVERSITY OF NEWCASTLE UPON TYNE, ENGLAND, APRIL 10-14, 1972 (V033729);* 6 MONTHS $311

KUTCHER, GERALD J; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON INTERACTION OF ENERGETIC CHARGED PARTICLES WITH SOLIDS, ISTANBUL, TURKEY, AUGUST 16-28, 1971 (Z002232);* 6 MONTHS $473

DUAX, WILLIAM L; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON DIRECT AND PATTERSON METHODS OF SOLVING CRYSTAL STRUCTURES, YORK, ENGLAND, SEPTEMBER 6-18, 1971 (Z002246);* 6 MONTHS [illegible]

BARRY, B AUSTIN; *THIRTEENTH INTERNATIONAL CONGRESS OF SURVEYORS WIESBADEN GERMANY (Z002251);* 6 MONTHS $636

DAVIS, ROBERT B; *2ND INTERNATL CONGRESS ON MATHEMATICAL EDUC EXETER ENGLAND 8/29-9/2/72 (Z002548);* 6 MONTHS $461

SCHARLEMANN, ERNST T; *ASI ON HIGH EN ASTROPHYS&ITS REL TO ELEM PART ERICE IT 6/16-7/6/72 (Z002553);* 6 MONTHS $484

MILLETT, CLARKE F; *ASI ON MOLECU&CELLU ASPECTS//IMMUNOL CARRY-LE ROUET FRANCE 6/1-10/72 (Z002555);* 6 MONTHS $319

SPITAL, ROBIN; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON ELECTROMAGNETIC INTERACTIONS OF ELEMENTARY SYSTEMS AT CARGESE, FRANCE ON JULY 2-29, 1972 (Z002579);* 6 MONTHS $360

CESARIO, FRANK J; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON RECENT DEVELOPMENTS 'IN' REGIONAL SCIENCE AT KARLSRUHE, GERMANY, JULY 24,-AUGUST 11, 1972 (Z002587);* 6 MONTHS $420

ROSS, FRED K; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON EXPERIMENTAL ASPECTS OF X-RAY AND NEUTRON SINGLE CRYSTALL DIFFRACTION METHODS AT AARHUS, DENMARK JULY 31 - AUGUST 11, 1972 (Z002589);* 6 MONTHS $521

LEVIN, DAVID N; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON HIGH-LIGHTS IN PARTICLE PHYSICS AT ERICE, ITALY, JULY 7-29, 1972 (Z002599);* 6 MONTHS $443

WILLIAMS, HUGH H; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON HIGH-LIGHTS IN PARTICLE PHYSICS AT ERICE, ITALY, JULY 7-29, 1972 (Z002602);* 6 MONTHS $433

STATE UNIVERSITY AT STONY BROOK

NEUBERGER, EGON; *TRAVEL OF AMERICAN ECONOMISTS TO ATTEND- THE CONFERENCE ON GRANTS AND EXCHANGE IN AN URBANIZED SOCIETY, AUGSBURG, BAVARIA, AUGUST 21-24, 1972 (S034183);* 12 MONTHS $1,850

YESHIVA UNIVERSITY-ALBERT EINSTEIN COLLEGE OF MEDICINE

AUGUST, J THOMAS; *TRAVEL TO ATTEND- SYMPOSIUM ON PROTEIN SYNTHESIS AND NUCLEIC ACIDS, LAPLATA, ARGENTINA, NOVEMBER 28, THROUGH DECEMBER 3, 1971. (B030665);* 12 MONTHS $2,000

NORTH CAROLINA

HOMMERSAND, MAX H; *TO ATTEND- SEVENTH INTERNATIONAL SEAWEED SYMPOSIUM, SAPPORO, JAPAN, AUGUST 8-12, 1971 (A030141),* 6 MONTHS $1,025

TEXTORIS, DANIEL ANDREW; *TO ATTEND- EIGHTH INTERNATIONAL SEDIMENTOLOGICAL CONGRESS, 1971, HEIDELBERG, WEST GERMANY, AUGUST 30 - SEPTEMBER 4, 1971 (A030329);* 6 MONTHS $495

LYMAN, JOHN; *TRAVEL TO ATTEND- SECOND INTERNATIONAL CONGRESS ON THE HISTORY OF OCEANOGRAPHY, EDINBURGH, SCOTLAND, SEPTEMBER 12-20, 1972 (A033256);* 6 MONTHS $485

VANDENBERGH, JOHN G; *TRAVEL SUPPORT TO ATTEND- THIRD INTERNATIONAL SYMPOSIUM ON COMPARATIVE REPRODUCTION, UNITED KINGDOM, MARCH 1972 (B032588);* 6 MONTHS $392

BERGERON, JAN A; *TRAVEL TO ATTEND- SEMINAR ON PROSIMIAN BIOLOGY, ENGLAND, APRIL 1972 (B033212);* 6 MONTHS $532

CALINGAERT, PETER; *VISIT TO THE U.S.S.R. AS A GUEST OF THE SOVIET ACADEMY OF SCIENCES, MAY 1972 (J033613);* 6 MONTHS $638

VESIC, ALEKSANDAR S; *TO SPEND SABBATICAL LEAVE AT CAMBRIDGE UNIVERSITY, ENGLAND, DECEMBER 15, 1971 THROUGH JUNE 15, 1972 (K031187);* 12 MONTHS $250

BEATTY, KENNETH O JR; *TRAVEL TO ATTEND- ASSEMBLY FOR INTERNATIONAL HEAT TRANSFER CONFERENCES AND THE FOURTH ALL UNION HEAT AND MASS TRANSFER CONFERENCE, MINSK, USSR, MAY 15-20, 1972 (K032787);* 6 MONTHS $300

BUCK, RICHARD P; *TO ATTEND- TWENTY-SECOND INTERNATIONAL COMMITTEE COMMITTEE OF THERMODYNAMIC AND ELECTROCHEMICAL (C.I.T.C.E., DUBROVNIK, YUGOSLAVIA, SEPTEMBER 19-SEPTEMBER 19-25, 1971 (P030157);* 6 MONTHS $500

CLOUGH, G WAYNE; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON FINITE ELEMENT METHODS IN CONTINUUM MECHANICS, LISBON, PORTUGAL, SEPTEMBER 7-17, 1971 (Z002239);* 6 MONTHS $407

NORTH DAKOTA

SOONPAA, HENN H; *TRAVEL TO ATTEND- INTERNATIONAL CONFERENCE ON THIN FILM PHYSICS, VENICE, ITALY, MAY 15-19, 1972 (H034889);* 6 MONTHS $283

CLARK, TOMMY DEAN; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON FROHLICH POLARONS, ANTWERP, BELGIUM, AUGUST 16-29, 1971 (Z002238);* 6 MONTHS $578

OHIO

RUDNEY, HARRY; *TRAVEL TO ATTEND- GOLDEN JUBILEE OF THE INDIAN INSTITUTE OF SCIENCE, BANGALORE, INDIA, DECEMBER 2-8, 1971 (B031598);* 6 MONTHS $987

SCOTT, ROY A III; *TRAVEL TO ATTEND- SYMPOSIUM ON CONFORMATION OF BIOLOGICAL POLYMERS, ISRAEL, APRIL 1972 (B033113);* 6 MONTHS $630

GOTTLIEB, DAVID; *CONFERENCE OF THE SOCIETY OF APPLIED BACTERIOLOGY, LOUGHBOROUGH, ENGLAND, JULY 10-13, 1972 (B034725);* 6 MONTHS $684

STRNAT, KARL J; *TRAVEL TO ATTEND- 1972 INTERNATIONAL CONFERENCE ON MAGNETICS, KYOTO, JAPAN, APRIL 10-13, 1972 (H033067);* 6 MONTHS $602

LANDO, JEROME B; *TRAVEL TO ATTEND- THIRD INTERNATIONAL SYMPOSIUM ON CHEMISTRY OF THE ORGANIC SOLID STATE, GLASCOW, SCOTLAND, SEPTEMBER 18-22, 1972 (H034423);* 6 MONTHS $488

HIBBELER, RUSSEL C; *TO ATTEND- FIRST INTERNATIONAL CONFERENCE ON STRUCTURAL MECHANICS IN REACTOR TECHNOLOGY BERLIN, GERMANY - SEPTEMBER 20-24, 1971 (K030263);* 6 MONTHS $210

WEED, HERMAN R; *TO ATTEND- NINTH INTERNATIONAL CONFERENCE ON MEDICAL AND BIOLOGICAL ENGINEERING-MELBOURNE, AUSTRALIA - AUGUST 23-27, 1971 (K030265);* 6 MONTHS $700

OJALVO, MORRIS; *TO ATTEND- INTERNATIONAL SYMPOSIUM ON EXPERIMENTAL ANALYSIS OF INSTABILITY PROBLEMS ON REDUCED AND FULL SCALE MODELS - BUENOS AIRES, ARGENTINA -SEPTEMBER 13-15, 1971 (K030301);* 6 MONTHS $572

GOBLE, GEORGE G; *TO ATTEND- THE MEETING ON MASS-PRODUCED STEEL STRUCTURES, PRAGUE, CZECHOSLOVAKIA, SEPTEMBER 23-24, 1971 (K030464);* 6 MONTHS $460

KEENAN, PHILIP C; *TO ATTEND- THE I.A.U. SYMPOSIUM ON SPECTRAL CLASSIFICATION AND MULTICOLOR PHOTOMETRY, CORDOBA, ARGENTINA, OCTOBER 18-24, 1971 (P030913);* 6 MONTHS $771

PARSONS, SIDNEY B; *TO ATTEND- THE THIRD TRIESTE COLLOQUIUM ON ASTROPHYSICS 'SUPERGIANT STARS,' TRIESTE, ITALY, SEPTEMBER 6-8, 1971 (P030924);* 6 MONTHS $464

AHLSWEDE, RUDOLF; *TO ATTEND- THE SIXTH PRAGUE CONFERENCE ON INFORMATION THEORY, STATISTICAL DECISION FUNCTIONS, AND RANDOM PROCESSES, PRAGUE, CZECHOSLOVAKIA, SEPTEMBER 19-25, 1971 (P030938);* 6 MONTHS $749

YEAGER, ERNEST B; *TO ATTEND- THIRD AUSTRALIAN ELECTROCHEMISTRY CONFERENCE, TERRIGAL, NEW SOUTH WALES, AUSTRALIA, FEBRUARY 16-18, 1972 (P031823);* 6 MONTHS $1,001

MARK, HARRY B JR; *TO ATTEND- THE INTERNATIONAL CONGRESS ON ANALYTICAL CHEMISTRY, KYOTO, JAPAN, APRIL 3-7, 1972 (P032360);* 6 MONTHS $964

ORCHIN, MILTON; *TRAVEL TO ATTEND- SYMPOSIUM ON CHEMISTRY OF HYDROFORMYLATION AND RELATED REACTIONS, VESZPREM, HUNGARY, MAY 31 - JUNE 2, 1972 (P032756);* 6 MONTHS $597

DELSEMME, A H; *TRAVEL TO ATTEND- COLLOQUIUM NO. 22 OF THE INTERNATIONAL ASTRONOMICAL UNION, NICE, FRANCE, APRIL 3-7, 1972 (P033283);* 6 MONTHS $615

CAPRIOTTI, EUGENE R; *TRAVEL TO ATTEND- EIGHTEENTH INTERNATIONAL ASTROPHYSICAL SYMPOSIUM, LIEGE, BELGIUM, JUNE 26-27, 1972 (P034586);* 6 MONTHS $532

ASTON, JOHN G; *TRAVEL TO ATTEND- THIRD EUROPEAN CONFERENCE ON THERMAL PHYSICAL PROPERTIES OF SOLIDS AT HIGH TEMPERATURES, TURIN, ITALY, JUNE 19-23, 1972 (P034614);* 6 MONTHS $838

KENNEDY, JOSEPH P; *TRAVEL TO- INTERNATIONAL SYMPOSIUM ON MACROMOLECULES, HELSINKI, FINLAND, JULY 2-8, 1972 (P034685);* 6 MONTHS $616

RAO, K NARAHARI; *TRAVEL TO ATTEND- (1) SECOND INTERNATIONAL SEMINAR ON HIGH RESOLUTION INFRARED SPECTROSCOPY, SEPTEMBER 4-8, 1972 PRAGUE, CZECHOSLOVAKIA (2) SYMPOSIUM ON HIGH RESOLUTION MOLECULAR SPECTROSCOPY, SEPTEMBER 10-13, 1972 NOVOSIBIRSK, USSR (P034924);* 6 MONTHS $733

VARGA, RICHARD S; *TO- CONSULT WITH SCIENTISTS ON THE NUMERICAL SOLUTION OF ELLIPTIC AND PARABOLIC PARTIAL DIFFERENTIAL EQUATIONS, IN NOVOSIBIRSK, U.S.S.R., JUNE 17 - JULY 6, 1972 (P034927);* 6 MONTHS $700

JANKO, ZVONIMIR; *TO ATTEND- THE WARWICK GROUP THEORY SYMPOSIUM, WARWICK, ENGLAND, OCTOBER 1 - DECEMBER 31, 1972 (P034959);* 6 MONTHS $567

SCHOPF, JAMES M; *TRAVEL TO ATTEND- NATO ADVANCED STUDY INSTITUTE, UNIVERSITY OF NEWCASTLE UPON TYNE, ENGLAND, APRIL 10-14, 1972 (V033730);* 6 MONTHS $591

STUMP, EDMUND; *TRAVEL TO- REPUBLIC OF SOUTH AFRICA TO CONFER WITH SPECIALISTS AND VISIT CRITICAL LOCALITIES FOR COMPARISON WITH ANTARCTIC MATERIALS, SEPTEMBER 1972 (V033767);* 12 MONTHS $1,430

MERCER, JOHN H; *TRAVEL TO ATTEND- SECOND CONFERENCE ON QUATERNARY STUDIES OF THE ANTARCTIC REGION, CANBERRA, AUSTRALIA, AUGUST 7-9, 1972 (V034891);* 6 MONTHS $1,111

WAGNER, THOMAS E; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON FUNDAMENTAL ASPECTS AND RECENT DEVELOPMENTS IN OPTICAL ROTATORY DISPERSION AND CIRCULAR DICHROISM, TIRRENIA, ITALY, SEPTEMBER 6-18, 1971 (Z002248);* 6 MONTHS $497

CLINE, MORRIS G; *A ST I MOD ASPECTS/HORM REG IN PLANT GROWTH&DEV IZMIR TURK9/20-0/1/1 (Z002266);* 6 MONTHS $636

STUMP, EDMUND; *ASI ON CONT DRIFT SEA-FLR SPREAD&PLATE TECT IMPLIC FOR E-SCI 4/10-14/72 (Z002527);* 6 MONTHS $567

NAINIS, W SCOTT; *ASI ON DECOMP AS A TOOL F SOLVING LARGE SCALE PROB CAMB ENG 7/17-26/72 (Z002573);* 6 MONTHS $461

OKLAHOMA

WEINHEIMER, ALFRED J; *TRAVEL TO ATTEND- THE EIGHTH INTERNATIONAL SYMPOSIUM ON THE CHEMISTRY OF NATURAL PRODUCTS, INDIA, FEBRUARY 1972 (B032299);* 6 MONTHS $1,399

PISHKIN, VLADIMIR; *TRAVEL TO- ACCEPT INVITATION BY SOVIET NATIONAL COMMITTEE, IBP TO VISIT USSR SCIENCE INSTITUTES AND CONFER WITH THEIR LEADING SCIENTISTS, SEPTEMBER-OCTOBER 1972 (V032736);* 6 MONTHS $1,000

SHURLEY, JAY T; *TRAVEL TO- ACCEPT INVITATION BY SOVIET NATIONAL COMMITTEE, IBP TO VISIT USSR SCIENCE INSTITUTES AND CONFER WITH THEIR LEADING SCIENTISTS, SEPTEMBER-OCTOBER 1972 (V033101);* 6 MONTHS $1,000

MUCHMORE, HAROLD G; *TRAVEL SUPPORT TO ATTEND- SYMPOSIUM ON HUMAN BIOLOGY AND MEDICINE IN THE ANTARCTIC, CAMBRIDGE, ENGLAND, SEPTEMBER 19-21, 1972 (V033189);* 6 MONTHS $632

BLACKBURN, ARCHIE B; *TRAVEL TO ATTEND- SYMPOSIUM ON HUMAN BIOLOGY AND MEDICINE IN THE ANTARCTIC, CAMBRIDGE, ENGLAND, SEPTEMBER 19-21, 1972 (V033190);* 6 MONTHS $632

NATANI, KIRMACH; *TRAVEL TO ATTEND- SYMPOSIUM ON HUMAN BIOLOGY AND MEDICINE IN THE ANTARCTIC, CAMBRIDGE, ENGLAND, SEPTEMBER 19-21, 1972 (V033191);* 6 MONTHS $632

OREGON

KOMAR, PAUL DOUGLAS; *TO ATTEND- EIGHTH INTERNATIONAL SEDIMENTOLOGICAL CONGRESS, HEIDELBERG, GERMANY, AUGUST 30 -SEPTEMBER 10, 1971 (A030140);* 6 MONTHS $757

HEDGPETH, JOEL W; *TRAVEL TO ATTEND- MEETING ON HISTORY OF OCEANOGRAPHY, EDINBURGH, SCOTLAND, AND INTERNATIONAL HELGOLAND SYMPOSIUM, WEST GERMANY, SEPTEMBER 8-22, 1972 (A033042);* 6 MONTHS $825

HODGSON, ROBERT T; *TRAVEL TO ATTEND- MEETING OF THE SCIENTIFIC COMMISSION OF PHYSICAL OCEANOGRAPHY OF IAPSO ON OPTICAL ASPECTS OF OCEANOGRAPHY, COPENHAGEN, DENMARK, JUNE 19-23, 1972 (A033255);* 6 MONTHS $885

GRAY, JANE; *TO ATTEND- THE SILVER JUBILEE OF THE BIRBAL SAHNI INSTITUTE OF PALEOBOTANY, LUCKNOW, INDIA, DECEMBER 5-11, 1971 (B031656);* 6 MONTHS $393

FRYKLUND, JAMES W; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON MICROPROGRAMMING, ST. RAPHAEL, FRANCE, AUGUST 30 -SEPTEMBER 10, 1971 (Z002258);* 6 MONTHS $620

HOLDEN, JOHN P; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON THEORETICAL PHYSICS - STRONG INTERACTIONS AT KAISERSLAUTERN, GERMANY, JULY 17-28, 1972 (Z002582);* 6 MONTHS $472

PENNSYLVANIA

SPACKMAN, WILLIAM; *TO ATTEND- THE INTERNATIONAL COMMITTEE FOR COAL PETROLOGY, KREFELD, GERMANY, AUGUST 20-28, 1971 (A030532);* 6 MONTHS $701

BURSTYN, HAROLD L; *TRAVEL SUPPORT TO ATTEND- SECOND INTERNATIONAL CONGRESS OF THE HISTORY OF OCEANOGRAPHY, EDINBURGH, SCOTLAND, SEPTEMBER 12-20, 1972 (A033784);* 6 MONTHS $559

FEINGOLD, DAVID S; *TO ATTEND- THE SYMPOSIUM ON THE BIOCHEMISTRY OF GLYCOSIDIC LINKAGES, SAN CARLOS DE BARILOCHE, ARGENTINA, NOVEMBER 8-11, 1971 (B031524);* 6 MONTHS $631

BELTON, GEOFFREY R; *TRAVEL TO ATTEND- THIRD AUSTRALIAN ELECTROCHEMISTRY CONFERENCE, TERRIGAL, NEW SOUTH WALES, AUSTRALIA, FEBRUARY 16-18, 1972 (H032424);* 6 MONTHS $400

FISCHER, JOHN E; *TRAVEL TO ATTEND- INTERNATIONAL CONFERENCES- (1) BAND STRUCTURE IN SOLIDS, GREAT GREAT BRITAIN, (2) DEFECTS IN SEMICONDUCTORS, GREAT BRITAIN AND (3) PHYSICS OF SEMICONDUCTORS, WARSAW POLAND, JULY 3-29, 1972 (H035017);* 6 MONTHS $381

EASTMAN, CHARLES M; *TRAVEL TO ATTEND- SECOND INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE, LONDON, ENGLAND, SEPTEMBER 1-3, 1971 (J030280);* 6 MONTHS $350

HARRIS, DEVERLE P; *TO ATTEND- THE TENTH INTERNATIONAL SYMPOSIUM ON THE APPLICATION OF COMPUTER METHODS IN THE MINERAL INDUSTRY, JOHANNESBURG, SOUTH AFRICA, APRIL 9-14, 1972 (J032379);* 6 MONTHS $700

ERDOGAN, FAZIL; *TO ATTEND- FIRST INTERNATIONAL CONFERENCE ON STRUCTURAL MECHANICS IN REACTOR TECHNOLOGY BERLIN, GERMANY - SEPTEMBER 20-24, 1971 (K030262);* 6 MONTHS $300

FROMM, ELI; *TO ATTEND- NINTH INTERNATIONAL CONFERENCE ON MEDICAL AND BIOLOGICAL ENGINEERING-MELBOURNE, AUSTRALIA - AUGUST 23-27, 1971 (K030264);* 6 MONTHS $810

SHERMAN, ZACHARY; *TO ATTEND- THE TWENTY-SECOND CONGRESS OF THE INTERNATIONAL ASTRONAUTICAL FEDERATION, BRUSSELS, BELGIUM, SEPTEMBER 20-25, 1971 (K030438);* 6 MONTHS $410

SHORE, SIDNEY; *TO ATTEND- THE INTERNATIONAL ASSOCIATION OF SHELL STRUCTURES SYMPOSIUM, TOKYO, JAPAN, OCTOBER 17-23, 1971 (K030441);* 6 MONTHS $450

GEORGE, WILLIAM K JR; *TRAVEL SUPPORT TO ATTEND- THE CONFERENCE ON FLUID DYNAMIC MEASUREMENTS, LEICESTER, ENGLAND, APRIL 12-14, 1972 (K032425);* 6 MONTHS $438

ABRAMS, JOEL I; *TRAVEL SUPPORT TO ATTEND- THE NINETH CONGRESS OF THE INTERNATIONAL ASSOCIATION FOR BRIDGE & STRUCTURAL ENGINEERING, AMSTERDAM, NETHERLANDS, MAY 8-13, 1972 (K032602);* 6 MONTHS $400

WHALEY, RANDAL M; *TO ATTEND- THE TWENTY-FIFTH CONGRESS OF INTERNATIONAL SCIENTIFIC FILM ASSOCIATION, KIEV, U.S.S.R., SEPTEMBER 21-29, 1971 (N031245);* 6 MONTHS $813

ZETTLEMOYER, ALBERT C; *TO ATTEND- FARADAY SOCIETY DISCUSSIONS 'SURFACE CHEMISTRY OF OXIDES,' LONDON, ENGLAND, SEPTEMBER 13-15, 1971 (P030159);* 6 MONTHS $41

HEICKLEN, JULIAN P; *TO ATTEND- TENTH INTERNATIONAL SYMPOSIUM ON FREE RADICALS, LYON, FRANCE, AUGUST 31 - SEPTEMBER 3, 1971 SIXTH INTERNATIONAL CONFERENCE ON PHOTOCHEMISTRY, BORDEAUX, FRANCE, SEPTEMBER 6-8, 1971 (P030162);* 6 MONTHS $563

KISSLINGER, LEONARD S; *TO ATTEND- THE FOURTH INTERNATIONAL CONFERENCE ON HIGH ENERGY PHYSICS AND NUCLEAR STRUCTURE, DUBNA, U.S.S.R., SEPTEMBER 7-11, 1971 (P030452);* 6 MONTHS $940

GERJUOY, EDWARD; *TRAVEL TO VISIT SOVIET ACADEMY OF SCIENCES, MAY 1972 (P032983);* 6 MONTHS $489

ARNETT, EDWARD M; *TRAVEL TO- FIRST CONFERENCE ON PHYSICAL ORGANIC CHEMISTRY, CRANS SUR SIERRE, SWITZERLAND, SEPTEMBER 4-8, 1972 (P034821);* 6 MONTHS $538

POPLE, JOHN A; *TRAVEL TO- FIRST IUPAC CONFERENCE ON PHYSICAL ORGANIC CHEMISTRY, CRANS SUR SIERRE, SWITZERLAND, SEPTEMBER 4-8, 1972 (P034827);* 6 MONTHS $548

BERNHEIM, ROBERT A; *TRAVEL TO- INTERNATIONAL CONFERENCE ON MOLECULAR SPECTROSCOPY, WROCAW, POLAND, SEPTEMBER 15-19, 1972 (P034845);* 6 MONTHS $714

KAY, JACK G; *TRAVEL TO- INTERNATIONAL CONFERENCE ON MOLECULAR SPECTROSCOPY, WROCAW, POLAND, SEPTEMBER 15-19, 1972 (P034847);* 6 MONTHS $670

STEELE, WILLIAM A; *TRAVEL TO ATTEND- THIRD INTERNATIONAL CONFERENCE ON RAMAN SPECTROSCOPY, REIMS, FRANCE, SEPTEMBER 8-13, 1972 (P034848);* 6 MONTHS $520

ACKOFF, RUSSELL L; *6TH INTERNAT CONF ON OPERATIONS RESEARCH DUBLIN IRELAND 8/21-25/72 (Z002544);* 6 MONTHS $530

OMALLEY, THOMAS; *ASI ON FACIAL STRUC/COMPACT CONVEX SETS&APPLICA SWANSEA ENG 7/2-15/2 (Z002572);* 6 MONTHS $475

BERMAN, HELEN M; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON EXPERIMENTAL ASPECTS OF X-RAY AND NEUTRON SINGLE CRYSTAL DIFFRACTION METHODS AT AARHUS, DENMARK, JULY 31 - AUGUST 11, 1972 (Z002591);* 6 MONTHS $490

LEHIGH UNIVERSITY

HILLMAN, DONALD J; *TO ATTEND- THE JERUSALEM CONFERENCE ON INFORMATION TECHNOLOGY, JERUSALEM ISRAEL, AUGUST 16-20, 1971 (N030559);* 6 MONTHS $1,012

RHODE ISLAND

KRAUSE, DALE C; *TO ATTEND- THE FIFTEENTH GENERAL ASSEMBLY OF INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS, MOSCOW, U.S.S.R., AUGUST 2-14, 1971 (A030389);* 6 MONTHS $450

KRAUSE, DALE C; *TRAVEL TO ATTEND- THE INTERNATIONAL SYMPOSIUM ON THE OCEANOGRAPHY OF THE SOUTH PACIFIC, WELLINGTON, NEW ZEALAND, FEBRUARY 9-15, 1972 (A032415);* 6 MONTHS $500

HARGRAVES, PAUL E; *TRAVEL SUPPORT TO ATTEND- SECOND SYMPOSIUM ON RECENT AND FOSSIL MARINE DIATOMS, LONDON, ENGLAND, SEPTEMBER 4-9, 1972 (A033041);* 6 MONTHS $445

GLICKSMAN, MAURICE; *CONFERENCE ON PLASMA THEORY, KIEV, USSR, OCTOBER 19-23, 1971 (P031266);* 12 MONTHS $576

WOLD, AARON; *TRAVEL TO VISIT- UNIVERSITIES OF BORDEAUX AND PARIS, TO DISCUSS COLLABORATIVE RESEARCH PROGRAMS, JUNE 16-22, 1972 (P034624);* 6 MONTHS $652

WARD, HAROLD R; *TRAVEL TO ATTEND- SYMPOSIUM ON CHEMICALLY INDUCED DYNAMIC POLARIZATION OF NUCLEI, TALLINN, ESTONIAN S.S.R., AUGUST 13-16, 1972 (P034791);* 6 MONTHS $850

SPRAGUE, LUCIAN M; *TO ATTEND- THE SEVENTH SESSION OF THE INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION, PARIS, FRANCE, OCTOBER 26 - NOVEMBER 5, 1971 (X031531);* 6 MONTHS $932

SOUTH CAROLINA

FERM, JOHN C; *TO ATTEND- THE INTERNATIONAL CONGRESS FOR STRATIGRAPHY AND GEOLOGY OF THE CARBONIFEROUS, KREFELD, GERMANY, AUGUST 23-28, 1971 (A030547);* **6 MONTHS $603**

HULBERT, SAMUEL F; *TRAVEL TO ATTEND- CONFERENCE ON MATERIALS, PROSTHESES AND AIDS TO THE HANDICAPPED, LIVERPOOL, ENGLAND, MARCH 20-24, 1972 (H032875);* **6 MONTHS $545**

LAW, ERNEST H; *TO ATTEND- ADVANCED STUDY INSTITUTE ON THEORY AND PRACTICE OF SYSTEMS IDENTIFICATION AND MODELLING -TOULOUSE, FRANCE - JULY 17-28, 1972 (Z002604);* **6 MONTHS $576**

TENNESSEE

BIERNER, MARK W; *TRAVEL TO ATTEND- INTERNATIONAL SYMPOSIUM ON CHEMISTRY IN EVOLUTION AND SYSTEMATICS, STRASBOURG, FRANCE, JULY 3-8, 1972 (B034658);* **6 MONTHS $581**

SHAHROKHI, FIROUZ; *TO ATTEND- THE TWENTY-SECOND CONGRESS OF THE INTERNATIONAL ASTRONAUTICAL FEDERATION AND THE MEETING OF THE AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS, BRUSSELS, BELGIUM, SEPTEMBER 12-26, 1971 (K030437);* **6 MONTHS $370**

SCHAEFER, PHILIP W; *TO ATTEND- SYMPOSIUM ON LOGARITHMIC CONVEXITY AND NON WELL-POSED PROBLEMS, EDINBURGH, SCOTLAND, MARCH 22-24, 1972, AND CONFERENCE ON THEORY OF ORDINARY AND PARTIAL DIFF. EQS., DUNDEE, SCOTLAND, MARCH 28-31, 1972 (P033110);* **6 MONTHS $296**

PETERSON, JOSEPH R; *TRAVEL TO ATTEND- SYMPOSIUM ON THE CHEMISTRY OF TRANSURANIUM ELEMENTS, MOSCOW, RUSSIA, SEPTEMBER 4-8, 1972 (P034850);* **6 MONTHS $933**

HARVEY, J A; *TRAVEL TO ATTEND- CONFERENCE ON NUCLEAR STRUCTURE STUDY WITH NEUTRONS, BUDAPEST, HUNGARY, JULY 31-AUGUST 5, 1972 (P034942);* **6 MONTHS $646**

PRATT, LEE H; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON PHYTOCHROME, ATHENS, GREECE, AUGUST 30 - SEPTEMBER 17, 1971 (Z002260);* **6 MONTHS $666**

TEXAS

MITTERER, RICHARD M; *TO ATTEND- THE EIGHTH INTERNATIONAL SEDIMENTOLOGICAL CONGRESS BEING HELD IN HEIDELBERG, GERMANY, AUGUST 29 - SEPTEMBER 5, 1971 AND THE FIFTH INTERNATIONAL MEETING ON ORGANIC GEOCHEMISTRY, HANNOVER, GERMANY, SEPTEMBER 7-10, 1971 (A030144);* **6 MONTHS $655**

REZAK, RICHARD; *TO ATTEND- THE EIGHTH INTERNATIONAL SEDIMENTOLOGICAL CONGRESS, HEIDELBERG; GERMANY, AUGUST 30 - SEPTEMBER 4, 1971 (A030145);* **6 MONTHS $719**

FRYXELL, GRETA A; *TRAVEL TO ATTEND- SECOND SYMPOSIUM ON RECENT AND FOSSIL MARINE DIATOMS, LONDON, ENGLAND, U.K., SEPTEMBER 4-9, 1972 (A033285);* **6 MONTHS $818**

HEIKKILA, WALTER J; *TRAVEL TO ATTEND- COSPAR, FIFTEENTH PLENARY MEETING, MADRID, SPAIN, MAY 10-24, 1972 (A033482);* **6 MONTHS $560**

WILHELM, JOHN A; *TO VISIT THE UNIVERSITY OF GENEVA, GENEVA, SWITZERLAND, NOVEMBER 1971 THROUGH NOVEMBER 1972 (B031661);* **12 MONTHS $719**

SONG, PILL-SOON; *TRAVEL SUPPORT TO ATTEND- FOURTH INTERNATIONAL SYMPOSIUM ON FLAVINS AND FLAVOPROTEINS, GERMANY, MARCH 1972 (B032587);* **6 MONTHS $750**

SIKLOSSY, LAURENT; *TRAVEL TO ATTEND- SECOND INTERNATIONAL JOINT CONFERENCE ON ARTIFICIAL INTELLIGENCE, LONDON, ENGLAND, SEPTEMBER 1-3, 1971 (J030281);* **6 MONTHS $350**

SAGE, ANDREW P; *TO ATTEND- THE FIFTH WORLD CONGRESS OF THE INTERNATIONAL FEDERATION OF AUTOMATIC CONTROL, PARIS, FRANCE, JUNE 12-17, 1972 (J032378);* **6 MONTHS $591**

CRAWFORD, PAUL B; *TRAVEL TO ATTEND- TENTH INTERNATIONAL SYMPOSIUM ON THE APPLICATION OF COMPUTER METHODS IN THE MINERAL INDUSTRY, JOHANNESBURG, SOUTH AFRICA, APRIL 9-14, 1972 (J0336[illegible]);* **6 MONTHS $1,051**

AGGARWAL, J K; *TO ATTEND- THE 1971 IEEE INTERNATIONAL SYMPOSIUM ON ELECTRICAL NETWORK THEORY, LONDON, ENGLAND, SEPTEMBER 6-10, 1971 (K030444);* **6 MONTHS $220**

BAILEY, JAMES E; *TRAVEL TO ATTEND- SEMINAR ON TOPICS IN SYSTEM THEORY- PERIODIC OPTIMIZATION (K033329);* **6 MONTHS $520**

KRISTIANSEN, M; *TRAVEL TO ATTEND- FIFTH EUROPEAN CONFERENCE ON CONTROLLED FUSION AND PLASMA PHYSICS, GRENOBLE, FRANCE, AUGUST 21-25, 1972 (K034696);* **6 MONTHS $480**

JUHASZ, STEPHEN; *TRAVEL TO ATTEND- THIRTEENTH INTERNATIONAL CONGRESS OF TAM, MOSCOW, USSR, AUGUST 21-26 AND THE THIRTY-SIXTH CONFERENCE AND INTERNATIONAL MEETING OF FID, BUDAPEST, HUNGARY, SEPTEMBER 1-13, 1972 (N034735);* **6 MONTHS $744**

MOORE, C FRED; *TO ATTEND- MEETING ON CHEMICAL ANALYSIS BY CHARGED PARTICLE BOMBARDMENT, BRUSSELS, BELGIUM, SEPTEMBER 6-8, 1971 (P031008);* **6 MONTHS $725**

GINGERICH, KARL A; *TO VISIT AND LECTURE AT THE UNIVERSITY OF ZURICH AND FEDERAL UNIVERSITY OF SWITZERLAND, DECEMBER 18-31, 1971 (P031863);* **6 MONTHS $388**

WAINERDI, RICHARD E; *TRAVEL TO ATTEND- SYMPOSIUM ON NUCLEAR ACTIVATION TECHNIQUES IN THE LIFE SCIENCES, LJUBLJANA, YUGOSLAVIA, APRIL 10-14, 1972 (P032849);* **6 MONTHS $500**

SHINE, HENRY J; *TRAVEL SUPPORT TO ATTEND- FIFTH SYMPOSIUM ON ORGANIC SULFUR CHEMISTRY, LUND, SWEDEN, JUNE 5-9, 1972 (P033700);* **6 MONTHS $693**

SZEBEHELY, VICTOR; *TRAVEL FOR- RESEARCH IN CELESTIAL MECHANICS TO ZURICH, SWITZERLAND AND ATHENS, GREECE AND TO ATTEND INTERNATIONAL MEETINGS IN OBERWOLFACH, WEST GERMANY AND VIENNA, AUSTRIA, AUGUST-NOVEMBER 1972 (P034786);* **6 MONTHS $520**

CURL, ROBERT F; *TRAVEL TO ATTEND- THE SECOND EUROPEAN MICROWAVE SPECTROSCOPY CONFERENCE, BANGOR, WALES, SEPTEMBER 18-22, 1972 (P035012);* **6 MONTHS $433**

THOMAS, ROBERT W; *TO ATTEND- 'TENTH C.I.R.E.T. CONFERENCE', BRUSSELS, BELGIUM, SEPTEMBER 15-17, 1971 (S031051);* **6 MONTHS $170**

HOLE, FRANK; *TO ATTEND- 'RESEARCH SEMINAR IN ARCHAEOLOGY AND RELATED SUBJECTS', SHEFFIELD, ENGLAND - DECEMBER 13-17, 1971 (S031670);* **6 MONTHS $635**

FRANCESCHINI, GUY A; *TRAVEL TO ATTEND- INTERNATIONAL RADIATION SYMPOSIUM, SENDAI, JAPAN, MAY 26-JUNE 2, 1972 (V034252);* **6 MONTHS $1,130**

FEAGIN, TERRY; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON DYNAMICAL ASTRONOMY AT CORTINA D'AMPEZZO, ITALY, AUGUST 9-21, 1972 (Z002595);* **6 MONTHS $713**

SOUTHWEST RESEARCH INSTITUTE

BLACK, DAVID L; *THE III INTER-AMERICAN CONFERENCE ON MATERIALS TECHNOLOGY TO BE HELD IN RIO DE JANEIRO, AUGUST 14-17, 1972 (H032423);* **9 MONTHS $5,000**

UTAH

ALLEN, EDWARD H; *TO ATTEND- 'CYBERNETICS AND SYSTEMS RESEARCH MEETINGS,' VIENNA, AUSTRIA - MAY 23-25, 1972 (S032985);* **6 MONTHS $315**

MULLER-SCHWARZE, C; *TRAVEL TO ATTEND- THE TWELFTH INTERNATIONAL ETHOLOGICAL CONFERENCE, EDINBURGH, GREAT BRITAIN, SEPTEMBER 7-16, 1971 (V030013);* **6 MONTHS $795**

VERMONT

MCLAY, RICHARD W; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON FINITE ELEMENT METHODS IN CONTINUUM MECHANICS, LISBON, PORTUGAL, SEPTEMBER 7-17, 1971 (Z002264);* **6 MONTHS $411**

VIRGINIA

JOHNSON, RONALD E; *TO ATTEND- INTERNATIONAL SYMPOSIUM ON THE OCEANOGRAPHY OF THE SOUTH PACIFIC, WELLINGTON, NEW ZEALAND, FEBRUARY 9-15, 1972 (A031946);* **6 MONTHS $690**

JOHNSON, RONALD E; *TO ATTEND- INTERNATIONAL SYMPOSIUM ON THE OCEANOGRAPHY OF THE SOUTH PACIFIC, WELLINGTON, NEW ZEALAND, FEBRUARY 9-15, 1972 (A031946 001);* **$627**

MANGUM, CHARLOTTE P; *TRAVEL SUPPORT TO ATTEND- MEETING ON EFFECT OF TEMPERATURE ON HETEROTHERMIC ORGANISMS, OBERGURGL, AUSTRIA, EIGHTH EUROPEAN MARINE BIOLOGICAL SYMPOSIUM, TEXEL, HOLLAND, SEPTEMBER 4-8 AND SEPTEMBER 11-16, 1972 (A033629);* **6 MONTHS $571**

DANIELSON, DONALD A; *TO OBTAIN INFORMATION ON SCIENTIFIC RESEARCH AND RELATED ACTIVITIES, COPENHAGEN, DENMARK, AND DELFT, THE NETHERLANDS, AUGUST 1-31, 1971 (P030398);* **6 MONTHS $436**

EISENBERG, JUDAH M; *TO ATTEND- THE FOURTH INTERNATIONAL CONFERENCE ON HIGH ENERGY PHYSICS AND NUCLEAR STRUCTURE, DUBNA, U.S.S.R., SEPTEMBER 7-11, 1971 (P030450);* **6 MONTHS $883**

JENKINS, DAVID A, *TO ATTEND- THE FOURTH INTERNATIONAL CONFERENCE ON HIGH ENERGY PHYSICS AND NUCLEAR STRUCTURE, DUBNA, U.S.S.R., SEPTEMBER 7-11, 1971 (P030451);* **6 MONTHS $648**

SNYDER, LEWIS E; *TRAVEL SUPPORT TO ATTEND- WORKSHOP ON MOLECULES IN SPACE, OBERSTDORF IM ALLGAU, WEST GERMANY, APRIL 17-19, 1972 (P033709);* **6 MONTHS $611**

TYREE, SHEPPARD Y JR; *TRAVEL TO- INTERNATIONAL CONFERENCE 'CHEMISTRY AT INTERFACES,' ROVINJ, YUGOSLAVIA, JUNE 27-JULY 8, 1972 (P034617);* **6 MONTHS $474**

PHILLIPS, MICHAEL W; *ADV STY INST ON FELDSPARS MANCHESTER ENGLAND 7/11-20/72 (Z002554);* **6 MONTHS $464**

WASHINGTON

ROBERTSON, DAVID E; *TO ATTEND- SEMINAR ON MARINE RADIOECOLOGY BEING HELD IN HAMBURG, GERMANY, SEPTEMBER 20-24, 1971 (A030143);* **6 MONTHS $826**

HALPERIN, WALTER; *TO ATTEND- THE INTERNATIONAL SYMPOSIUM ON PLANT TISSUE CULTURE, DELHI, INDIA, NOVEMBER 17-23, 1971 (B031442);* **6 MONTHS $1,116**

BOSTROM, R C; *TRAVEL TO ATTEND- ROYAL SOCIETY (LONDON) MEETING ON SENSING EARTH DEFORMATION, LONDON, ENGLAND, MAY 10-13, 1972 (F034398)*; 6 MONTHS $717

SOBOLEWSKI, JOHN S; *TO ATTEND- FIFTH AUSTRALIAN COMPUTER CONFERENCE, BRISBANE, AUSTRALIA, MAY 22-26, 1972 (J032048)*; 6 MONTHS $829

CROWE, CLAYTON T; *TO ATTEND- THE INTERNATIONAL SYMPOSIUM ON TWO-PHASE SYSTEMS, HAIFA, ISRAEL, AUGUST 29 -SEPTEMBER 2, 1971 (K030393)*; 6 MONTHS $500

ISHIMARU, AKIRA; *TO ATTEND- THE 1971 INTERNATIONAL SYMPOSIUM ON ANTENNAS AND PROPAGATION, SENDAI, JAPAN, SEPTEMBER 1-3, 1971 (K030394)*; 6 MONTHS $500

STOEBE, THOMAS G; *TO ATTEND- THE THIRD INTERNATIONAL CONFERENCE ON LUMINESCENCE DOSIMETRY, ROSKILDE, DENMARK, OCTOBER 11-14, 1971 (K030728)*; 6 MONTHS $240

HEWITT, EDWIN; *TO ATTEND- THE SYMPOSIUM ON CONTINUUM MECHANICS AND RELATED PROBLEMS OF ANALYSIS, TBILISI, GEORGIA, U.S.S.R., SEPTEMBER 23-29, 1971 (P030805)*; 6 MONTHS $1,198

CUNNINGHAM, TIMOTHY J; *TO ATTEND- NATO ADVANCED STUDY INSTITUTE ON STRUCTURAL, FUNCTIONAL AND CHEMICAL CHARACTERISTICS OF DEVELOPING NEURONS AND NEURON SETS, ST. VINCENT, ITALY, AUGUST 29 - SEPTEMBER 11, 1971 (Z002240)*; 6 MONTHS $500

FUHR, RICHARD D; *ASI ON FACIAL STRUCT/COMPACT CONVEX SETS&APPLICA SWANSEA ENG 7/2-15/2 (Z002539)*; 6 MONTHS $417

WISCONSIN

BAILEY, STURGES W; *TRAVEL TO ATTEND- INTERNATIONAL CLAY CONFERENCE, MADRID, SPAIN, JUNE 25-JULY 7, 1972 (A034175)*; 6 MONTHS $528

REED, JOHN F; *TRAVEL TO ATTEND- UNESCO INTERGOVERNMENTAL COORDINATING COUNCIL, PARIS, FRANCE, NOVEMBER 9-19, 1971 (B031596)*; 6 MONTHS $964

VANDERKOOI, GARRET; *TRAVEL TO ATTEND- SYMPOSIUM ON CONFORMATION OF BIOLOGICAL POLYMERS, ISRAEL, APRIL 1972 (B033114)*; 6 MONTHS $649

BURGESS, RICHARD R; *TRAVEL TO ATTEND- BIOCHEMISTRY OF GENE EXPRESSION IN HIGHER ORGANISMS, AUSTRALIA, MAY 1972 (B033980)*; 6 MONTHS $968

BROCK, THOMAS D; *TRAVEL TO ATTEND- SYMPOSIUM OF MODERN METHODS IN THE STUDY OF MICROBIAL ECOLOGY, UPPSALA, SWEDEN, JUNE 19-23, 1972 (B034657)*; 6 MONTHS $685

FERRY, JOHN D; *TRAVEL SUPPORT TO- RECEIVE COLWYN MEDAL OF THE INSTITUTION OF THE RUBBER INDUSTRY, BRIGHTON, ENGLAND, MAY 17-19, 1972 (H034173)*; 6 MONTHS $615

SHAPIRO, STUART C; *TRAVEL TO ATTEND- SECOND INTERNATIONAL JOINT CONFERENCE ON ARTIFICIAL INTELLIGENCE, LONDON, ENGLAND, SEPTEMBER 1-3, 1971 (J030282)*; 6 MONTHS $350

TROST, BARRY M; *TO PRESENT LECTURES AND CONDUCT RESEARCH AT THE INSTITUTE FOR ORGANIC CHEMISTRY, PHILIPPS UNIVERSITY, MARBURG, GERMANY, APRIL 1 - JULY 15, 1972 ([illegible]032127)*; 6 MONTHS $698

RUDIN, MARY E; *TO ATTEND- MATHEMATICAL SOCIETY COLLOQUIUM ON TOPOLOGY, KESZTHELY, HUNGARY, JUNE 19-23, 1972 (P032533)*; 6 MONTHS $828

SCHRAG, JOHN L; *TRAVEL SUPPORT TO ATTEND- THE ANNUAL MEETING OF THE CHEMICAL SOCIETY, MANCHESTER, ENGLAND, APRIL 11-12, 1972 (P032753)*; 6 MONTHS $672

LEVY, LAWRENCE S; *TO ATTEND- CONFERENCE ON RINGS, MODULES AND HOMOLOGICAL METHODS, OBERWOLFACH, GERMANY, APRIL 30-MAY 6, 1972 (P033188)*; 6 MONTHS $624

COOPER, STUART L; *TRAVEL TO- INTERNATIONAL SYMPOSIUM OF MACROMOLECULES, HELSINKI, FINLAND, JULY 2-8, 1972 (P034687)*; 6 MONTHS $750

SONNEDECKER, GLENN A; *TO ATTEND- 'INTERNATIONAL CONGRESS FOR THE HISTORY OF PHARMACY,' PRAGUE, CZECHOSLOVAKIA - SEPTEMBER 20-25, 1971 (S003333)*; 12 MONTHS $725

KLEIN, SHELDON; *TRAVEL TO- CONDUCT RESEARCH IN MOSCOW, U.S.S.R., DECEMBER 1972 THROUGH MAY 1973 (S034072)*; 12 MONTHS $945

KLUS, JOHN P; *FEANI/UNESCO SEMINAR ON CONT EDUC/ENG IN HELSINKI FINLAND 8/21-24/72 (Z002528)*; 11 MONTHS $840

MCLINDEN, LYNN; *ADV ST INST ON MATH PROG IN THEORY&PRACTICE COIMBR PORTUGAL 6/12-23/72 (Z002566)*; 6 MONTHS $451

WYOMING

HOLT, SMITH L; *TO CONDUCT RESEARCH AND DISCUSS COLLABORATIVE RESEARCH PROGRAMS AT THE H. C. ORSTED INSTITUTE, COPENHAGEN, DENMARK, AND THE UNIVERSITY OF BORDEAUX, BORDEAUX, FRANCE, OCTOBER 1 - NOVEMBER 7, 1971 (P030533)*; 6 MONTHS $[illegible]

INTERNATIONAL INSTITUTE FOR APPLIED SYSTEMS ANALYSIS

DISTRICT OF COLUMBIA

NATIONAL ACADEMY OF SCIENCES

COLEMAN, JOHN S; *PLANNING DEVELOPMENT FOR U.S. PARTICIPATION IN PROPOSED INTERNATIONAL INSTITUTE FOR APPLIED SYSTEMS ANALYSIS (C310191 002)*; 6 MONTHS $35,000

TODD, W MURRAY; *U.S. PARTICIPATION IN THE PROPOSED INTERNATIONAL INSTITUTE OF APPLIED SYSTEMS ANALYSIS (C310235)*; 36 MONTHS $676,700

SPECIAL FOREIGN CURRENCY--RESEARCH SUPPORT

EGYPT

AMERICAN UNIVERSITY OF CAIRO

BISHAY, ADLI, AND KREIDL, N J; *THE STATES OF SILVER IN SELECTED VITREOUS SYSTEMS (F034606 X00)*; 12 MONTHS $20,870

INDIA

INDIAN INSTITUTE OF TECHNOLOGY

SODHA, M S; *ANALYTICAL INVESTIGATION OF STEADY AND NONSTEADY ELECTROMAGNETIC WAVE PROPAGATION IN NONUNIFORM AND NONLINEAR MEDIA (F034174)*; 24 MONTHS $21,156

UNIVERSITY OF DELHI

AULUCK, F C; *TO STUDY CONDENSED STATE OF MATTER BY NEUTRON SCATTERING (F034351)*; 36 MONTHS $45,155

SUNDARARAJ, B I; *PHYSIOLOGICAL AND BIOCHEMICAL STUDIES OF THE LOCAL SPECIES OF HETEROPNEUSTES (F034379)*; 24 MONTHS $31,706

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

VAUGHAN, JAMES H; *CAVE-DWELLING BERBERS OF SOUTHERN TUNISIA (F031708)*; 12 MONTHS $4,800

NEW YORK

SPINDEL, WILLIAM; *VISITING AMERICAN SCIENTIST AT BORIS KIDRIC INSTITUTE (F029922 001)*; 12 MONTHS $850

OKLAHOMA

OKLAHOMA STATE UNIVERSITY

HADY, M ABDEL; *REMOTE SENSING APPLICATIONS TO AGRICULTURE AND REGIONAL DEVELOPMENT PROJECTS (F031866*)*; 12 MONTHS $91,120

HADY, M ABDEL, AND MUSTAFA, HASAN; *APPLICATIONS OF MODERN AIRBORNE REMOTE SENSING AND AERIAL RECONNAISSANCE TECHNIQUES TO AGRICULTURE AND REGIONAL DEVELOPMENT (F031866 001*)*; 12 MONTHS $17,870

OREGON

UNIVERSITY OF OREGON - EUGENE

BOEKELHEIDE, VIRGIL; *A COLLABORATIVE PROGRAM OF TEACHING AND RESEARCH AT THE POLYTECHNIC UNIVERSITY OF WROCLAW, WROCLAW, POLAND (F029959 001)*; 12 MONTHS $62,967

PENNSYLVANIA

LEHIGH UNIVERSITY

LEIDHEISER, HENRY JR; *CHARACTERIZATION OF HIGH-AREA AND LOW-AREA NICKEL AND NICKEL OXIDE (H032171 X00*)*; 12 MONTHS $2,000

POLAND

INSTITUTE OF NUCLEAR RESEARCH

BRZOZOWSKI, W S; *TO STUDY INVESTIGATION OF THE ELECTRODE EFFECTS AND DISCHARGE STRUCTURE IN SEEDED PLASMA FLOWS (F034344)*; 24 MONTHS $43,346

RESEARCH CENTER FOR MONOCRYSTALS

NIEMYSKI, TADEUSZ; *CRYSTAL GROWTH OF HIGH TEMPERATURE AND HIGH PRESSURE MATERIALS (F033290)*; 12 MONTHS $52,155

SOUTH CAROLINA

UNIVERSITY OF SOUTH CAROLINA

CONOLLY, JOHN R, KANES, WILLIAM H, AND FERM, JOHN C; *INITIAL RIFTING OF EUROPE AND AFRICA AND GROWTH AND FOLDING OF THE JURASSIC ATLAS SEA, MOROCCO (F032510 X00*)*; 36 MONTHS $[illegible]

TUNISIA

UNIVERSITY OF TUNIS

BOUHDIBA, A, AND NOAH, HAROLD J; *THE BRAIN DRAIN- AN INTERNATIONAL COMPARATIVE STUDY* (F032965); 18 MONTHS $21,320

YUGOSLAVIA

BORIS KIDRICH INSTITUTE OF NUCLEAR SCIENCE

RIBNIKAR, SLOBODAN; *CARBON-13 EXCHANGE IN LIQUID-GAS SYSTEMS AT LOW TEMPERATURES* (F029921 001); 12 MONTHS $4,000

RUVARAC, ALEKSANDAR, AND CLEARFIELD, ABRAHAM; *THERMODYNAMICS AND KINETICS OF ION EXCHANGE PROCESSES ON INORGANIC ION EXCHANGERS* (F032046); 24 MONTHS $39,996

JOZEF STEFAN NUCLEAR INSTITUTE

LEBEZ, DRAGO, AND RUPLEY, JOHN; *STUDIES ON TISSUE PROTEINASES* (F031389); 36 MONTHS $76,701

M PUPIN INST- AUTOMATION & TELECOMMUNICATIONS

VUKOBRATOVIC, MIOMIR, AND GAVRILOVIC, MOMCILO; *LEGGED LOCOMOTION IN ANIMALS AND MACHINES* (F031948); 12 MONTHS $35,000

RUDJER BOSKOVIC INSTITUTE

PRAVDIC, VELIMIR; *APPLICATION OF VARIOUS TECHNIQUES OF HIGH-AREA AND LOW-AREA NICKEL AND NICKEL OXIDE* (F031530); 26 MONTHS $74,400

KVEDER, SERGIJE, AND GILMARTIN, MALVERN; *THE PRIMARY PRODUCTION OF THE NORTHERN ADRIATIC SEA* (F031947 X00); 18 MONTHS $90,052

UNIVERSITY OF LJUBLJANA

KRANJC, FRANCE; *THE QUALITY OF ELECTRICAL ENERGY* (F031056); 14 MONTHS $325,000

KUSCER, IVAN, AND SHEN, S F; *THEORETICAL STUDY OF GAS-SURFACE INTERACTION* (F033289); 24 MONTHS $15,000

UNIVERSITY OF SARAJEVO

MAGAZINOVIC, VOJISLAV, AND SMITH, JAMES J; *MECHANISM OF IRREVERSIBLE CHANGES IN HEMORRHAGIC SHOCK* (F031826); 24 MONTHS $70,670

YUGOSLAV ACADEMY OF SCIENCES AND ARTS

KARSULIN, M; *PROBLEMS IN ELECTROCHEMICAL AND CHEMICAL DEPOSITION AND DISSOLUTION OF METALS* (F031057); 12 MONTHS [redacted]

YUGOSLAV COMMITTEE FOR ELECTRONIC&AUTOMATION

TOMOVIC, RAJKO; *INTERNATIONAL WORKSHOP SERIES ON BIOMEDICAL ENGINEERING* (F031220); 12 MONTHS $50,000

SPECIAL FOREIGN CURRENCY--TRAVEL SUPPORT

ALABAMA

ABRAMOVITCH, RUDOLPH A; *TRAVEL TO DISCUSS COOPERATIVE PROJECT WITH SCIENTISTS IN POLAND* (F033200); 6 MONTHS $1,260

COOPER, MAX D; *TRAVEL TO ATTEND- FOURTH INTERNATIONAL CONFERENCE ON LYMPHATIC TISSUE AND GERMINAL CENTERS IN IMMUNE REACTIONS, DUBROVNIK, YUGOSLAVIA, JUNE 26-30, 1972* (F033597); 6 MONTHS $875

ARIZONA

HADLEY, NEIL F; *TRAVEL SUPPORT TO ATTEND- SYMPOSIUM ON PHYSIOLOGICAL ECOLOGY OF PLANTS AND ANIMALS IN EXTREME ENVIRONMENTS, DUBROVNIK, YUGOSLAVIA, MARCH 20-30, 1972* (F032888); 6 MONTHS $760

BULGARIA

NONE; *OTHER PROGRAM AWARDS* (01AWDS); $45

CALIFORNIA

CHARWAT, ANDREW F; *TO ATTEND- THE TENTH BIENNIAL FLUID DYNAMICS SYMPOSIUM, WARSAW, POLAND, SEPTEMBER 6-12, 1971* (F030761); 6 MONTHS $903

ROBERSON, ROBERT E; *TO ATTEND- THE FOURTH IFAC SYMPOSIUM ON AUTOMATIC CONTROL IN SPACE, DUBROVNIK, YUGOSLAVIA, SEPTEMBER 6-10, 1971* (F030790); 6 MONTHS $750

GILMARTIN, MALVERN; *TO ATTEND- SIXTH EUROPEAN SYMPOSIUM ON MARINE BIOLOGY, ROVINJ, YUGOSLAVIA, SEPTEMBER 27 -OCTOBER 2, 1971* (F030856); 6 MONTHS $1,180

EL-SUM, HUSSEIN M A; *TRAVEL SUPPORT TO EGYPT TO DEVELOP COOPERATIVE PROJECTS IN ACOUSTICAL HOLOGRAPHY AND RELATED SUBJECTS* (F0[illegible]219); 6 MONTHS $1,660

WEIGLE, WILLIAM O; *TRAVEL TO ATTEND- FOURTH INTERNATIONAL CONFERENCE ON LYMPHATIC TISSUE AND GERMINAL CENTERS IN IMMUNE REACTIONS DUBROVNIK, YUGOSLAVIA, JUNE 26-30, 1972* (F033596); 6 MONTHS $1,086

AXFORD, WILLIAM I; ****SPECIAL FOREIGN CURRENCY TRAVEL AWARD (IN POLISH CURRENCY) TO ATTEND- SEVENTEENTH GENERAL ASSEMBLY OF INTL. UNION OF RADIO SCIENCE, WARSAW, POLAND AUGUST 18-29, 1972* (F034335); 6 MONTHS $850

FEJER, JULES A; ****SPECIAL FOREIGN CURRENCY TRAVEL AWARD (IN POLISH CURRENCY) TO ATTEND- THE SEVENTEENTH GENERAL ASSEMBLY OF THE INTL. UNION OF RADIO SCIENCE IN WARSAW, POLAND AUGUST 18-29, 1972* (F034340); 6 MONTHS $300

COHEN, MARSHALL H; ****SPECIAL FOREIGN CURRENCY TRAVEL AWARD (IN POLISH CURRENCY) TO ATTEND- THE SEVENTEENTH GENERAL ASSEMBLY OF THE INTL. UNION OF RADIO SCIENCE IN WARSAW, POLAND AUGUST 18-29, 1972* (F034341); 6 MONTHS $709

COHEN, MARVIN L; ****SPECIAL FOREIGN CURRENCY TRAVEL AWARD (IN POLISH CURRENCY) TO ATTEND- ELEVENTH INTERNATIONAL CONFERENCE ON THE PHYSICS OF SEMICONDUCTORS, WAR SAW, POLAND, JULY 25-29, 1972* (F034418); 6 MONTHS $1,052

COLORADO

CLAMAN, HENRY N; *TRAVEL TO ATTEND- FOURTH INTERNATIONAL CONFERENCE ON LYMPHATIC TISSUE AND GERMINAL CENTERS IN IMMUNE REACTIONS, DUBROVNIK, YUGOSLAVIA, JUNE 25-30, 1972* (F033598); 6 MONTHS $549

CONNECTICUT

PHILLIPS, ARIS; *TRAVEL TO ATTEND- SYMPOSIUM ON FOUNDATIONS OF PLASTICITY, WARSAW, POLAND, AUGUST 29-SEPTEMBER 3, 1972* (F033769); 6 MONTHS $654

WEIRE, DENIS L; ****SPECIAL FOREIGN CURRENCY AWARD (IN POLISH CURRENCY) TO ATTEND- THE ELEVENTH INTL. CONFERENCE ON THE PHYSICS OF SEMICONDUCTORS, WARSAW, POLAND, JULY 25-29, 1972* (F034395); 6 MONTHS $567

DISTRICT OF COLUMBIA

ROBERTS, A HOOD; *TRAVEL TO DEVELOP COOPERATIVE PROJECTS WITH SCIENTIFIC INSTITUTIONS IN POLAND* (F032563); 6 MONTHS $996

WOYNA, ADAM G; *TRAVEL TO DEVELOP COOPERATIVE PROJECTS WITH SCIENTIFIC INSTITUTIONS IN POLAND* (F032564); 6 MONTHS $996

HAWAII

SITARAM, K S; *TRAVEL TO- DEVELOP COOPERATIVE PROJECTS WITH SCIENTISTS IN INDIA* (F033592); 6 MONTHS $1,508

ILLINOIS

CHILDRESS, DUDLEY S; *TRAVEL TO ATTEND- FOURTH INTERNATIONAL SYMPOSIUM ON EXTERNAL CONTROL OF HUMAN EXTREMITIES, DUBROVNIK, YUGOSLAVIA, AUGUST 28 - SEPTEMBER 2, 1972* (F033599); 6 MONTHS $791

CARLSON, LAWRENCE E; *TRAVEL TO ATTEND- FOURTH INTERNATIONAL SYMPOSIUM ON EXTERNAL CONTROL OF HUMAN EXTREMITIES, DUBROVNIK, YUGOSLAVIA, AUGUST 28 - SEPTEMBER 2, 1972* (F033600); 6 MONTHS $796

JORDAN, E C; ****SPECIAL FOREIGN CURRENCY TRAVEL AWARD (IN POLISH CURRENCY) TO ATTEND- THE SEVENTEENTH GENERAL ASSEMBLY OF THE INTL. UNION OF RADIO SCIENCE IN WARSAW, POLAND AUGUST 18-29, 1972* (F034332); 6 MONTHS $690

INDIA

NONE; *OTHER PROGRAM AWARDS* (02AWDS); $4,412

INDIANA

HENTZ, ROBERT R; *TO DEVELOP A PROJECT FOR RESEARCH COLLABORATION, BELGRADE, YUGOSLAVIA, AUGUST 28, 1971 THROUGH SEPTEMBER 6, 1971* (F030928); 6 MONTHS $818

GABRIEL, ASTRIK L; *TRAVEL TO- POLAND TO NEGOTIATE THE PERMISSION OF MICROFILMING MANUSCRIPTS IN POLISH LIBRARIES IN CRACOW, WROCLAW AND WARSAW, JUNE 1972* (F033601); 6 MONTHS $1,271

IOWA

LONNGREN, KARL E; *TRAVEL TO ATTEND- SIXTH YUGOSLAV SYMPOSIUM AND SUMMER SCHOOL ON THE PHYSICS OF IONIZED GASES, SPLIT, YUGOSLAVIA, JULY 16-2[illegible], 1972* (F033166); 6 MONTHS $675

LOUISIANA

LOUISIANA STATE UNIVERSITY, NEW ORLEANS

GUILBAULT, GEORGE G; *DEVELOPMENTAL VISIT TO INDIA, EGYPT AND YUGOSLAVIA* (F031880); 3 MONTHS $1,500

MARYLAND

NEWCOMB, ROBERT W; *TRAVEL SUPPORT TO DISCUSS COOPERATIVE RESEARCH PROJECT WITH SCIENTISTS IN POLAND* (F032966); 6 MONTHS $1,210

DECLARIS, NICHOLAS; *TRAVEL SUPPORT TO DISCUSS COOPERATIVE RESEARCH PROJECT WITH SCIENTISTS IN POLAND (F032967)*; 6 MONTHS $1,004

KATZ, ISADORE; ******SPECIAL FOREIGN CURRENCY TRAVEL AWARD (IN POLISH CURRENCY) TO ATTEND- SEVENTEENTH GENERAL ASSEMBLY OF INTL. UNION OF RADIO SCIENCE, WARSAW, POLAND AUGUST 18-29, 1972 (F034336)*; 6 MONTHS $791

MASSACHUSETTS

SCHELL, I I; *TO DEVELOP COOPERATIVE RESEARCH PROJECT WITH INDIA METEOROLOGICAL DEPARTMENT IN NEW DELHI, INDIA (F031221)*; 6 MONTHS $1,336

WILSON, DUNCAN M; *TRAVEL TO VISIT- ZEZELJ INSTITUTE, BELGRADE, YUGOSLAVIA, APRIL 17 - 22, 1972 (F033259)*; 6 MONTHS $735

EVANS, J V; ******SPECIAL FOREIGN CURRENCY TRAVEL AWARD (IN POLISH CURRENCY) TO ATTEND- SEVENTEENTH GENERAL ASSEMBLY OF THE INTL. UNION OF RADIO SCIENCE IN WARSAW, POLAND AUGUST 18-29, 1972 (F034333)*; 6 MONTHS $744

BOSTON UNIVERSITY

VALIELA, IVAN; *TO ATTEND- CONFERENCE ON PHYSIOLOGICAL ECOLOGY OF PLANTS AND ANIMALS IN EXTREME ENVIRONMENTS, DUBROVNIK, YUGOSLAVIA, MARCH 20-24, 1972 (F032892)*; 6 MONTHS $604

MICHIGAN

MCNABB, CLARENCE D JR; *TRAVEL SUPPORT TO ATTEND- THE SYMPOSIUM PHYSIOLOGICAL ECOLOGY PLANTS AND ANIMALS IN EXTREME ENVIRONMENTS, DUBROVNIK, YUGOSLAVIA, MARCH 26-30, 1972 (F032887)*; 6 MONTHS $695

MICHIGAN STATE UNIVERSITY

BANDURSKI, ROBERT S; *TO PRESENT LECTURES TO POLISH SCIENTIFIC CENTERS IN WARSAW, POZNAN, WROCLAW, AND CRACOW MARCH -APRIL, 1972 (F032106)*; 6 MONTHS $586

MINNESOTA

HODGE, PHILIP G JR; *TRAVEL SUPPORT TO ATTEND- SYMPOSIUM ON FOUNDATIONS OF PLASTICITY, WARSAW, POLAND, AUGUST 30-SEPTEMBER 2, 1972 (F032889)*; 6 MONTHS $740

COLLINS, ROBERT J; ******SPECIAL FOREIGN CURRENCY TRAVEL AWARD (IN POLISH CURRENCY) TO ATTEND- SEVENTEENTH GENERAL ASSEMBLY OF THE INTL. UNION OF RADIO SCIENCE, WARSAW, POLAND AUGUST 18-29, 1972 (F034337)*; 6 MONTHS $945

MOROCCO

NONE; *OTHER PROGRAM AWARDS (01AWDS)*; $1,745

NEW HAMPSHIRE

MORGAN, MILLETT G; ******SPECIAL FOREIGN CURRENCY TRAVEL AWARD (IN POLISH CURRENCY) TO ATTEND- THE SEVENTEENTH GENERAL ASSEMBLY OF THE INTL. UNION OF RADIO, SCIENCE, WARSAW, POLAND AUGUST 18-29, 1972 (F034339)*; 6 MONTHS $793

NEW JERSEY

TEMMER, GEORGES M; *TRAVEL TO- LECTURE AT POLISH SUMMER SCHOOL IN NUCLEAR PHYSICS, RUDZISKA, POLAND, AUGUST 21-SEPTEMBER 2, 1972 (F033593)*; 6 MONTHS $372

HOFFMAN, JOHN S; *TRAVEL TO ATTEND- THE THIRD INTERNATIONAL COURSE ON GERONTOLOGY, 'LEISURE AND THE THIRD AGE,' DUBROVNIK, YUGOSLAVIA, MAY 15-19, 1972 (F033603)*; 6 MONTHS $650

FAIRBROTHERS, DAVID E; ******TRAVEL TO PRESENT A SERIES OF LECTURES ON CHEMOSYSTEMATICS TO POLISH SCIENTISTS - POZNAN, POLAND JUNE 22 - JULY 2, 1972 (F034863)*; 6 MONTHS $590

NEW MEXICO

NIX, JAMES R; *TRAVEL SUPPORT TO ATTEND- THE INTERNATIONAL SUMMER SCHOOL IN NUCLEAR PHYSICS, MASURIAN DISTRICT, POLAND, AUGUST 21-SEPTEMBER 2, 1972 (F032968)*; 6 MONTHS $972

NEW YORK

GHAUSI, MOHAMMED S; *TRAVEL SUPPORT TO ATTEND- THE SECOND INTERNATIONAL SYMPOSIUM ON NETWORK THEORY, HERCEG-NOVI, YUGOSLAVIA, JULY 3-8, 1972 (F032893)*; 12 MONTHS $525

GREGOR, HARRY P; *TRAVEL SUPPORT TO- DELIVER PAPER AT CONFERENCE ON CHEMISTRY OF SOLID LIQUID INTERFACES ROVINJ, YUGOSLAVIA JUNE 27-JULY 5, 1972 (F033204)*; 6 MONTHS $380

WANG, JIUNN-MING; *TRAVEL TO ATTEND- THIRD INTERNATIONAL COLLOQUIUM ON MULTIPARTICLE REACTIONS, ZAKOPANE, POLAND, JUNE 20-24, 1972 (F033602)*; 6 MONTHS $654

SHINOZUKA, MASANOBU; *TRAVEL TO ATTEND- CONFERENCE ON STOCHASTIC METHODS IN STRUCTURAL MECHANICS, JABLONNA, POLAND, JUNE 5-15, 1972 (F033604)*; 6 MONTHS $650

NORTH CAROLINA

BOOKHOUT, CAZLYN G; *VI EUROPEAN SYMPOSIUM IN MARINE BIOLOGY, BEING HELD IN ROVINJ, YUGOSLAVIA, SEPTEMBER 27, 1971 - OCTOBER 2, 1971 (F031134)*; 6 MONTHS $506

PAKISTAN

NONE; *OTHER PROGRAM AWARDS (02AWDS)*; $2,383

PENNSYLVANIA

BROZEK, JOSEF; *TO ATTEND- THE FOURTH CONGRESS OF THE YUGOSLAV PSYCHOLOGICAL ASSOCIATION, BLED, SLOVENIA, YUGOSLAVIA, OCTOBER 6-9, 1971 (F030787)*; 6 MONTHS $710

RIDGE, JOHN D; *TO CONTINUE WORK IN POLAND ON THE GENESIS OF THE LEAD-ZINC DEPOSITS OF THE KRAKOW-UPPER SILESIAN REGION DURING THE SPRING OF 1972 (F030930)*; 6 MONTHS $762

FITE, WADE L; *TRAVEL TO ATTEND- SIXTH SUMMER SCHOOL ON THE PHYSICS OF IONIZED GASES, SPLIT, YUGOSLAVIA, JULY 16-21, 1972 (F033202)*; 6 MONTHS $633

FUNKHOUSER, G RAY; *TRAVEL TO- DISCUSS COOPERATIVE PROJECT WITH SCIENTISTS IN YUGOSLAVIA (F033203)*; 6 MONTHS $890

BAUM, RAINER C; *TRAVEL SUPPORT TO ATTEND- INTERNATIONAL SOCIOLOGICAL CONFERENCE ON MODERNIZATION, WARSAW, POLAND, JUNE 11-18, 1972 (F033606)*; 6 MONTHS $817

SUDA, ZDENEK L; *TRAVEL SUPPORT TO ATTEND- INTERNATIONAL SOCIOLOGICAL CONFERENCE ON MODERNIZATION, WARSAW, POLAND, JUNE 11-18, 1972 (F033607)*; 6 MONTHS $817

WILLIS, YOLANDA A; *TRAVEL SUPPORT TO ATTEND- INTERNATIONAL SOCIOLOGICAL CONFERENCE ON MODERNIZATION, WARSAW, POLAND, JUNE 11-18, 1972 (F033608)*; 6 MONTHS $817

MALENBAUM, WILFRED; ******SPECIAL FOREIGN CURRENCY TRAVEL AWARD (IN INDIAN CURRENCY) TO DEVELOP COOPERATIVE PROJECTS WITH SCIENTISTS IN INDIA (F034805)*; 6 MONTHS $1,306

POLAND

NONE; *OTHER PROGRAM AWARDS (12AWDS)*; $8,348

RHODE ISLAND

LOFERSKI, JOSEPH J; ******SPECIAL FOREIGN CURRENCY TRAVEL AWARD (IN POLISH CURRENCY) TO ATTEND- ELEVENTH INTERNATIONAL CONFERENCE ON THE PHYSICS OF SEMICONDUCTORS, WARSAW, POLAND, JULY 25-29, 1972 (F034350)*; 6 MONTHS $591

TENNESSEE

LARSEN, JOHN W; *TRAVEL SUPPORT TO- CONSULT WITH MRS. M.E. MAKSIC ABOUT HER THESIS AND SIT AS AN EXAMINER FOR HER FINAL ORAL EXAMINATION, ZAGREB, YUGOSLAVIA, SEPTEMBER 1972 (F033238)*; 6 MONTHS $707

HANNA, M G JR; *TRAVEL TO ATTEND- FOURTH INTERNATIONAL CONFERENCE ON LYMPHATIC TISSUE AND GERMINAL CENTERS IN IMMUNE REACTIONS, DUBROVNIK, YUGOSLAVIA, JUNE 26-30, 1972 (F033594)*; 6 MONTHS $832

CONGDON, CHARLES C; ******TRAVEL TO ATTEND- FOURTH INTERNATIONAL CONFERENCE ON LYMPHATIC TISSUE AND GERMINAL CENTERS IN IMMUNE REACTIONS, DUBROVNIK, YUGOSLAVIA, JUNE 26-30, 1972 (F033595)*; 6 MONTHS $610

TEXAS

WILLIAMSON, WALTON E JR; *TO ATTEND- THE FOURTH IFAC SYMPOSIUM ON AUTOMATIC CONTROL IN SPACE, DUBROVNIK, YUGOSLAVIA, SEPTEMBER 6-10, 1971 (F030789)*; 6 MONTHS $885

FREEMAN, RONALD H; *TRAVEL TO- LJUBLJANA, YUGOSLAVIA, TO PERFORM RESEARCH AT JOZEF STEFAN INSTITUTE FOR A YEAR ON A POST-DOCTORATE RESEARCH GRANT, SEPTEMBER 1972 -SEPTEMBER 1973 (F033605)*; 12 MONTHS $2,027

JOHNSON, FRANCIS S; ******SPECIAL FOREIGN CURRENCY TRAVEL AWARD (IN POLISH CURRENCY) TO ATTEND- THE SEVENTEENTH GENERAL ASSEMBLY OF INTERNATIONAL UNION OF RADIO SCIENCE, WARSAW, POLAND AUGUST 18-29 1972 (F034334)*; 6 MONTHS $984

STRAITON, ARCHIE W; ******SPECIAL FOREIGN CURRENCY TRAVEL AWARD (IN POLISH CURRENCY) TO ATTEND- THE SEVENTEENTH GENERAL ASSEMBLY OF THE INTL. UNION OF RADIO SCIENCE, WARSAW, POLAND AUGUST 18-29, 1972 (F034338)*; 6 MONTHS $754

TUNISIA

NONE; *OTHER PROGRAM AWARDS (03AWDS)*; $2,388

UNITED ARAB REPUBLIC

NONE; *OTHER PROGRAM AWARDS (06AWDS)*; $4,958

VIRGINIA

MELOY, THOMAS P; *ORGANIZATION OF THE CONFERENCE ON BEHAVIOR OF PARTICULATE SYSTEMS TO BE HELD IN POLAND DURING 1972 (F030945)*; 6 MONTHS $490

HEATH, ALAN G; *TRAVEL SUPPORT TO ATTEND- SYMPOSIUM ON PHYSIOLOGICAL ECOLOGY OF PLANTS AND ANIMALS IN EXTREME ENVIRONMENTS, DUBROVNIK, YUGOSLAVIA, MARCH 26-30, 1972 (F032891)*; 6 MONTHS $682

UNIVERSITY OF VIRGINIA

CHEN, CHARLES S; *TO SERVE AS A TECHNICAL CONSULTANT TO THE RUDER BOSKOVIC INSTITUTE IN DESIGNING AND DEVELOPING A MACH-ZEHNDER INTERFEROMETER, ZAGREB, CROATIA, YUGOSLAVIA, JULY 1972 (F032468)*; 6 MONTHS $1,059

WEST VIRGINIA

KOTB, A K; ****SPECIAL FOREIGN CURRENCY TRAVEL AWARD (IN EGYPTIAN AND TUNISIAN CURRENCY) TO DEVELOP COOPERATIVE PROJECTS WITH SCIENTISTS IN EGYPT AND TUNISIA (F034349)*; 6 MONTHS $1,340

WISCONSIN

MINNICH, JOHN E; *TRAVEL SUPPORT TO ATTEND- SYMPOSIUM ON PHYSIOLOGICAL ECOLOGY OF PLANTS AND ANIMALS IN EXTREME ENVIRONMENTS, DUBROVNIK, YUGOSLAVIA, MARCH 26-30, 1972 (F032890)*; 6 MONTHS $699

VERMA, MANINDRA K; *TO DEVELOP AND DISCUSS COOPERATIVE PROJECTS WITH INDIAN SCIENTISTS (F033094)*; 6 MONTHS $1,718

PELLA, MILTON O; *TRAVEL TO- DEVELOP A COOPERATIVE PROJECT WITH AIN SHAMS UNIVERSITY (F033201)*; 6 MONTHS $1,400

YUGOSLAVIA

KRIEBEL, HOWARD B; ****SPECIAL FOREIGN CURRENCY TRAVEL AWARD (IN INDIAN RUPEES) TO DISCUSS AND DEVELOP COOPERATIVE PROJECT WITH SCIENTISTS IN LUCKNOW, INDIA JUNE 24-JULY 2, 1972 (F034892)*; 6 MONTHS $863

NONE; *OTHER PROGRAM AWARDS (22AWDS)*; $11,227

INTERNATIONAL TRAVEL PROGRAM

WISCONSIN

BARRY, MERTON R; *TO ATTEND- THE PLANNING MEETING OF THE PERMANENT COMMITTEE ON ENGINEERING EDUCATION OF UPADI, KINGSTON, JAMAICA, SEPTEMBER 19-21, 1971 (F031248)*; 6 MONTHS $250

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SYSTEMS DEVELOPMENT AND IMPROVEMENT

INFORMATION SYSTEMS

DISTRICT OF COLUMBIA

AMERICAN POLITICAL SCIENCE ASSOCIATION

KIRKPATRICK, EVRON M; *DEVELOPMENT OF A THESAURUS FOR POLITICAL SCIENCE* (*C722000*); 12 MONTHS $115,985

AMERICAN PSYCHOLOGICAL ASSOCIATION

LITTLE, KENNETH B; *DEVELOPMENT OF A THEASURUS OF PSYCHOLOGICAL TERMS* (*C739000*); 6 MONTHS $78,220

GEORGE WASHINGTON UNIVERSITY

SHILLING, CHARLES W; *PLANNING AND DEVELOPMENT OF PROGRAMS FOR THE COMMITTEE ON SCIENTIFIC AND TECHNICAL INFORMATION* (*C743000*); 10 MONTHS $58,413

SMITHSONIAN INSTITUTION

SHETLER, STANWYN G; *FLORA NORTH AMERICA (FNA) PROGRAM* (*C720000*); 7 MONTHS $69,153

MARYLAND

JOHNS HOPKINS UNIVERSITY

GREENBERGER, MARTIN; *SUPPORT OF REVIEW OF THE COMMITTEE ON SCIENTIFIC AND TECHNICAL INFORMATION (COSATI)* (*C721000*); 6 MONTHS $13,000

NATIONAL BUREAU OF STANDARDS

DAVIS, RUTH M; *ASSESSMENT OF PRESENT STATUS OF AUTOMATED SCIENTIFIC AND TECHNICAL INFORMATION SYSTEMS* (*CA06800*); 6 MONTHS $54,900

DAVIS, RUTH M; *INTERAGENCY AGREEMENT FOR ASSESSMENT OF PRESENT STATUS OF AUTOMATED SCIENTIFIC AND TECHNICAL INFORMATION SYSTEMS* (*CA68000 001*); 13 MONTHS $141,000

NEW YORK

AMERICAN INSTITUTE OF PHYSICS

KOCH, H WILLIAM; *NATIONAL INFORMATION SYSTEM FOR PHYSICS-STAGE II DEVELOPMENT* (*N000864 002*); 8 MONTHS $382,517

PENNSYLVANIA

BIOLOGICAL ABSTRACTS

SMITH, J R; *A STUDY OF BIOSIS-CAS COMPATIBILITY OF BIBLIOGRAPHIC DESCRIPTIONS* (*C719000*); 10 MONTHS $9,100

TEXAS

EICHER, LAWRENCE D; *OTHER PROGRAM AWARDS* (*01AWDS*); 12 MONTHS $22,160

SPECIAL PROJECTS

CALIFORNIA

STANFORD UNIVERSITY

PARKER, EDWIN B; *SPIRES 'STANFORD PHYSICS INFORMATION RETRIEVAL SYSTEM'* (*N000830 002*); 12 MONTHS $274,900

GEORGIA

UNIVERSITY OF GEORGIA

CARMON, JAMES L; *TO EXPAND THE UNIVERSITY OF GEORGIA INFORMATION CENTER* (*N000851 003*); 12 MONTHS $170,600

MINNESOTA

HAMLINE UNIVERSITY

KING, JACK B, AND MCDONOUGH, GEORGE E; *CONTINUATION OF INFORMATION SYSTEM DEVELOPMENT PROGRAM FOR HAMLINE UNIVERSITY LIBRARY* (*N000873 002*); 17 MONTHS $168,500

NEW YORK

COLUMBIA UNIVERSITY

FASANA, PAUL J, AND HAAS, WARREN J; *LIBRARY SYSTEMS DEVELOPMENT FOR A LARGE RESEARCH LIBRARY* (*N000694 002*); 24 MONTHS $175,600

OHIO

OHIO STATE UNIVERSITY

LAZORICK, GERALD J; *MECHANIZED INFORMATION CENTER* (*N027458 001*); 12 MONTHS $276,500

PENNSYLVANIA

LEHIGH UNIVERSITY

HILLMAN, DONALD J; *UNIVERSITY CENTERED INFORMATION SYSTEM- PROJECT LEADERMART* (*N000845 002*); 10 MONTHS $270,000

HILLMAN, DONALD J; *UNIVERSITY CENTERED INFORMATION SYSTEM- PROJECT LEADERMART* (*N000845 003*); 6 MONTHS $130,000

UNIVERSITY OF PITTSBURGH

KENT, ALLEN, DEBONS, ANTHONY, ROSSELL, GLENORA, AND HOWILL, EDMOND; *A CAMPUS-BASED INFORMATION SYSTEM* (*N027537 001*); 12 MONTHS $138,900

CHEMICAL INFORMATION

DISTRICT OF COLUMBIA

AMERICAN CHEMICAL SOCIETY

WALL, FREDERICK T; *CONTRACT FOR THE DEVELOPMENT OF COMPUTER-BASED INFORMATION HANDLING SYSTEMS FOR CHEMICAL ENGINEERING INFORMATION* (*C656000 003*); 9 MONTHS $1,878,300

WALL, FREDERICK T; *CONTRACT FOR THE DEVELOPMENT OF COMPUTER-BASED INFORMATION HANDLING SYSTEMS FOR CHEMICAL ENGINEERING INFORMATION* (*C656000 006*); 2 MONTHS $1,319,019

WALL, FREDERICK T; *CONTRACT FOR THE DEVELOPMENT OF COMPUTER-BASED INFORMATION HANDLING SYSTEMS FOR CHEMICAL ENGINEERING INFORMATION* (*C656000 007*); 1 MONTHS $237,940

JOHN I THOMPSON AND COMPANY

PIELMEIER, G R; *CONTRACT FOR THE PRODUCING OF EXPOSITORY INFORMATION ON THE DISCIPLINE-ORIENTED, COMPUTER-BASED CHEMICAL INFORMATION SYSTEM BEING DEVELOPED PRIMARILY BY THE CHEMICAL ABSTRACTS SERVICE OF THE AMERICAN CHEMICAL SOCIETY* (*C551000 005*); 6 MONTHS $5,000

PIELMEIER, G R; *CONTRACT FOR THE PRODUCING OF EXPOSITORY INFORMATION ON THE DISCIPLINE-ORIENTED, COMPUTER-BASED CHEMICAL INFORMATION SYSTEM BEING DEVELOPED PRIMARILY BY THE CHEMICAL ABSTRACTS SERVICE OF THE AMERICAN CHEMICAL SOCIETY* (*C551000 006*); 4 MONTHS $19,600

OHIO

AMERICAN CHEMICAL SOCIETY-CHEMICAL ABSTRACTS SERVICE

TATE, FRED A; *CONTRACT FOR DEVELOPMENT OF COMPUTER-MANAGED DATA BASE FOR THE FIELDS OF CHEMISTRY AND CHEMICAL ENGINEERING* (*C583000 006*); 6 MONTHS $412,400

INFORMATION SERVICES AND PUBLICATIONS

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS (03AWDS)*; $2,560

AUTOMATED SYSTEMS CORPORATION

MORRISON, HOWARD; *TASK ORDER FOR CHANGES TO PL-480 ACTIVITIES SYSTEM (C684002)*; 1 MONTHS $9,690

MORRISON, HOWARD H; *TASK ORDER FOR CHANGES TO PL-480 ACTIVITIES SYSTEM NSF-C684, T.O. AM. (C684002 001)*; 1 MONTHS $6,116

VIRGINIA

NONE; *OTHER PROGRAM AWARDS (02AWDS)*; $450

INFORMATION SERVICES

CALIFORNIA

UNIVERSITY OF CALIFORNIA, BERKELEY

GREGORY, JOSEPH T; *PREPARATION OF THE BIBLIOGRAPHY OF FOSSIL VERTEBRATES (N000405 001)*; 12 MONTHS $32,800

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCRIPPS INSTITUTION OF OCEANOGRAPHY

RIEDEL, WILLIAM R; *PREPARATION OF A SPECIES CATALOGUE OF POLYCYSTINE RADIOLARIA (N000687 002)*; 19 MONTHS $75,200

BRINTON, EDWARD; *SCIENTIFIC RESULTS OF THE NAGA EXPEDITION TO THE GULF OF THAILAND AND SOUTH CHINA SEA, 1959-1961 (N032570)*; 12 MONTHS $17,700

COLORADO

UNIVERSITY OF COLORADO

SMITH, ALBERT; *ATLAS OF ARID ENVIRONMENTS OF THE U.S. (N031924)*; 12 MONTHS $10,700

ROGERS, DAVID J; *PUBLICATION OF 'NORTH AMERICAN SPECIES OF 'MANIHOT' (N031926)*; 18 MONTHS $5,000

IVES, J D, AND BLACKIE, KATHLEEN A; *PUBLICATION OF :ARCTIC AND ALPINE RESEARCH: (N032927)*; 36 MONTHS $31,000

DISTRICT OF COLUMBIA

AMERICAN GEOLOGICAL INSTITUTE

HOOVER, LINN; *GEOLOGICAL REFERENCE FILE- OPERATION OF A COMPUTER-BASED BIBLIOGRAPHIC DATA BANK (N000667 003)*; $57,500

HOOVER, LINN; *GEOLOGICAL REFERENCE FILE- OPERATIONAL TESTING OF A COMPUTER-BASED BIBLIOGRAPHIC DATA BANK (N000667 004)*; 12 MONTHS $420,000

AMERICAN GEOPHYSICAL UNION

SPILHAUS, A F JR; *PUBLICATION OF THE ANTARCTIC RESEARCH SERIES (N000055 004*)*; 12 MONTHS $15,000

AMERICAN PSYCHOLOGICAL ASSOCIATION

LITTLE, KENNETH B; *'PSYCHOLOGICAL ABSTRACTS' PRODUCTION SYSTEM (N000900 002)*; 12 MONTHS $183,000

AMERICAN SOCIETY FOR CYBERNETICS

MURRAY, T H; *JOURNAL OF CYBERNETICS (N031923)*; 12 MONTHS $5,500

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

VAN OLPHEN, H; *U.S. SUPPORT OF INTERNATIONAL COMMITTEE ON DATA FOR SCIENCE AND TECHNOLOGY OF THE INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS (C310124 004)*; 12 MONTHS $25,700

CLIFFE, ROBERT A; *PUBLICATION AND DISTRIBUTION OF THE PROCEEDINGS OF THE THIRTEENTH GENERAL CONGRESS OF THE INSTITUTE OF REFRIGERATION (C310205 001*)*; $0

HAWAII

BERNICE P BISHOP MUSEUM

FORCE, ROLAND W; *PUBLICATION OF TWO PACIFIC INSECTS MONOGRAPHS (N032862)*; 4 MONTHS $5,400

UNIVERSITY OF HAWAII

HARDY, D ELMO, AND DELFINADO, MERCEDES D; *A CATALOG OF THE DIPTERA OF THE ORIENTAL REGION (N032474)*; 24 MONTHS $38,000

HARDY, D ELMO; *PUBLICATION OF TWO MONOGRAPHS ON TEPHRITIDAE (N033057*)*; 12 MONTHS $0

ILLINOIS

JOHN CRERAR LIBRARY

NOWAK, ILDIKO D; *PARTIAL SUPPORT OF THE NATIONAL TRANSLATIONS CENTER (N031394)*; 12 MONTHS $91,200

INDIANA

UNIVERSITY OF NOTRE DAME

CROVELLO, THEODORE J; *AUTOMATED DATA FILE FOR GREENE HERBARIUM BOTANICAL COLLECTION (N000878 002)*; 18 MONTHS $46,200

MARYLAND

NONE; *OTHER PROGRAM AWARDS (01AWDS)*; $159

MASSACHUSETTS

HARVARD UNIVERSITY

HOWELLS, WILLIAM W; *PUBLICATION OF 'CRANIAL VARIATION IN MAN (N030931*)*; 12 MONTHS $0

MICHIGAN

UNIVERSITY OF MICHIGAN

GANS, CARL; *PREPARATION OF A 'BIOLOGY OF THE REPTILIA' (N030558)*; 28 MONTHS $36,000

MISSISSIPPI

UNIVERSITY OF MISSISSIPPI

HULL, FRANK M SR; *PUBLICATION OF 'BEE FLIES OF THE WORLD' (N031171)*; 12 MONTHS $51,400

NETHERLANDS

INTERNATIONAL ASSOCIATION FOR PLANT TAXONOMY

COWAN, RICHARD S; *CONVERSION OF INDEX NOMINUM GENERICORUM DATA INTO MACHINE READABLE FORM (N000886 002)*; 12 MONTHS $74,500

NEW YORK

AMERICAN INSTITUTE OF PHYSICS

KOCH, H WILLIAM; *CURRENT PHYSICS INFORMATION SYSTEM-OPERATIONAL TESTING (N000865 002)*; 12 MONTHS $483,000

AMERICAN MUSEUM OF NATURAL HISTORY

ATL, JAMES N; *BIBLIOGRAPHIC SERVICE IN ICHTHYOLOGY (N000658 004)*; 12 MONTHS $72,200

DOWLING, HERNDON G; *BIBLIOGRAPHIC SERVICE IN HERPETOLOGY (N000707 003)*; 12 MONTHS $83,800

LESTER, HENRY M; *RESTORATION OF DECAYING FILMS (N000903 001)*; 12 MONTHS $12,700

CORNELL UNIVERSITY

PEAKALL, DAVID B; *ECOLOGICAL DATA BASE FOR ORNITHOLOGICAL RESEARCH (N000859 002)*; 18 MONTHS $3,600

QUEENS COLLEGE

RABEN, JOSEPH; *THE PUBLICATION OF COMPUTERS AND THE HUMANITIES, A SCHOLARLY JOURNAL (N000781 001)*; 12 MONTHS $27,550

SOCIAL SCIENCE RESEARCH COUNCIL

WOOD, BRYCE; *BIBLIOGRAPHY ON MODERN CHINESE SOCIETY (N000513 002)*; 28 MONTHS $35,000

NORTH CAROLINA

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

ORNE, JERROLD; *AMERICAN NATIONAL STANDARDS INSTITUTE, COMMITTEE Z39- LIBRARIES AND DOCUMENTATION (N000473 005)*; 36 MONTHS $35,730

WRIGHTSVILLE MARINE BIOMEDICAL LABORATORY

BRAUER, RALPH W; *PUBLICATION OF THE PROCEEDINGS OF THE CONFERENCE ON HIGH PRESSURE AQUARIUM SYSTEMS (N030411)*; 12 MONTHS $4,900

OKLAHOMA

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

PITCHER, MAX G; *PUBLICATION OF THE SECOND INTERNATIONAL SYMPOSIUM ON ARCTIC GEOLOGY PROCEEDINGS (N032926)*; 12 MONTHS $25,000

OREGON

UNIVERSITY OF OREGON - EUGENE

ANDREWS, GEORGE F; *PUBLICATION OF 'MAYA CITIES - PLACE MAKING AND URBANIZATION' (N032573)*; 18 MONTHS $8,500

PENNSYLVANIA

CARNEGIE-MELLON UNIVERSITY

DANIELS, GILBERT S; *PREPARATION OF BIBLIOGRAPHIA HUNTIANA (N000880 002)*; 12 MONTHS $146,300

PENNSYLVANIA STATE UNIVERSITY

TRAVERSE, ALFRED; *RECORDING OF TAXONOMIC, STRATIGRAPHIC, MORPHOLOGICAL AND BIBLIOGRAPHICAL DATA FOR PALYNOLOGY* (*N000782 003*); 6 MONTHS $1,300

UNIVERSITY OF PENNSYLVANIA

AJZENBERG-SELOVE, FAY; *COMPILATION OF INFORMATION ON THE ENERGY LEVELS OF THE LIGHT NUCLEI* (*N000912*), 12 MONTHS $38,700

RHODE ISLAND

AMERICAN MATHEMATICAL SOCIETY

WALKER, GORDON L; *MATHEMATICAL OFFPRINT SERVICE* (*N000857 002*); 3 MONTHS $30,000

WALKER, GORDON L; *MATHEMATICAL TITLE SERVICE AND INDEX OF MATHEMATICAL PAPERS* (*N000857 003*); 24 MONTHS $102,800

TENNESSEE

OAK RIDGE NATIONAL LABORATORY

LIVERMAN, JAMES L; *COMPILATION OF AN ENVIRONMENTAL TERMINOLOGY INDEX* (*AG00373*); 6 MONTHS $60,000

TEXAS

UNIV OF TEXAS AT AUSTIN

DUGGAN, MICHAEL A; *LEGAL ASPECTS OF INFORMATION SYSTEM AND DATA BASES* (*N028893 001*); $5,000

WARDLAW, FRANK H; *PUBLICATION OF URBANIZATION AT TEOTIHUACAN, MEXICO, VOLUME I* (*N031397**); 54 MONTHS $0

WARDLAW, FRANK H; *PUBLICATION OF 'SAN LORENZO- OLMEC MAN AND OLMEC LAND'* (*N031447**); 60 MONTHS $0

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

SHENEFELT, ROY D; *THE BRANCONIDAE SECTION OF THE HYMENOPTERORUM CATALOGUS* (*N031925*); 42 MONTHS $26,900

FOREIGN SCIENCE INFORMATION TRANSLATIONS (DOMESTIC)

DISTRICT OF COLUMBIA

AMERICAN FISHERIES SOCIETY

CLEPPER, HENRY; *1972 VOLUME OF 'HYDROBIOLOGICAL JOURNAL'* (*N000854 003*); 12 MONTHS $22,800

CLEPPER, HENRY; *1972 VOLUME OF 'PROBLEMS OF ICHTHYOLOGY'* (*N000855 003*); 18 MONTHS $32,200

AMERICAN GEOLOGICAL INSTITUTE

HOOVER, LINN; *TRANSLATION, PUBLICATION AND DISTRIBUTION OF FOUR RUSSIAN SCIENTIFIC JOURNALS, 1972 VOLUMES* (*N000876 002*); 12 MONTHS $32,700

AMERICAN GEOPHYSICAL UNION

SPILHAUS, A F JR; *TRANSLATION, PUBLICATION AND DISTRIBUTION OF FOUR RUSSIAN SCIENTIFIC JOURNALS, 1972 VOLUMES* (*N000860 001*), 12 MONTHS $43,400

MARYLAND

ENTOMOLOGICAL SOCIETY OF AMERICA

MURDOCH, WALLACE P; *1972 VOLUME OF ENTOMOLOGICAL REVIEW* (*N000858 002*); 12 MONTHS $9,700

FOREIGN SCIENCE INFORMATION TRANSLATIONS (SPECIAL FOREIGN CURRENCY)

INDIA

AMERIND PUBLISHING COMPANY LTD

PRIMLANI, MOHAN; *CONTRACT FOR THE TRANSLATION, EDITING, PRINTING, BINDING, AND BULK SHIPMENT OF FOREIGN SCIENTIFIC LITERATURE IN OTHER COUNTRIES* (*C630000 001*); $100,000

PRIMLANI, MOHAN; *PROCESS IN ENGLISH FOREIGN SCIENTIFIC AND TECHNOLOGICAL INFORMATION* (*C630000 002*); $17,000

INDIAN NATIONAL SCIENTIFIC DOCUMENTATION CTR

PARTHASARATHY, S; *PROCESS IN ENGLISH FOREIGN SCIENTIFIC AND TECHNOLOGICAL INFORMATION* (*C466000 017*); $100,000

ISRAEL

ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS

RISCHIN, YITZAK; *PROCESS IN ENGLISH FOREIGN SCIENTIFIC AND TECHNOLOGICAL INFORMATION* (*C503000 015*); $83,000

NEW YORK

FRANKLIN BOOK PROGRAMS INC

KYLE, JOHN H; *SCIENTIFIC AND TECHNICAL INFORMATION PROCESSING AND TRANSLATIONS - UAR* (*C724000*); 36 MONTHS $100,000

PAKISTAN

SAAD, ISMAIL; *PROCESS IN ENGLISH FOREIGN SCIENTIFIC AND TECHNOLOGICAL INFORMATION* (*C505000 010*); $50,000

POLAND

CENTRAL INST FOR SCIENTIFIC TECH & ECON INFO

BREDA, MIECZYSLAW; *PROCESS IN ENGLISH FOREIGN SCIENTIFIC TECHNOLOGICAL INFORMATION* (*C501000 015*); $200,000

SYGITOWICZ, J; *PROCESS IN ENGLISH FOREIGN SCIENTIFIC TECHNOLOGICAL INFORMATION* (*C501000 016*); $100,000

TUNISIA

AGENCE TUNISIENNE DE PUBLIC RELATIONS

AZZOUZ, AZZEDINE; *PROCESS IN ENGLISH FOREIGN SCIENTIFIC TECHNOLOGICAL INFORMATION* (*C504000 013*); $25,000

AZZOUZ, AZZEDINE; *PROCESS IN ENGLISH FOREIGN SCIENTIFIC TECHNOLOGICAL INFORMATION* (*C504000 014*); $75,000

YUGOSLAVIA

NOLIT PUBLISHING HOUSE

LAZAREVIC, SAVA; *PROCESS IN ENGLISH FOREIGN SCIENTIFIC TECHNOLOGICAL INFORMATION* (*C502000 015*); $150,000

FOREIGN SCIENCE SERVICES AND PUBLICATIONS

DISTRICT OF COLUMBIA

CENTER FOR APPLIED LINGUISTICS

ROBERTS, A HOOD; *SUPPORT OF THE LINGUISTICS COMMITTEE OF THE INTERNATIONAL FEDERATION FOR DOCUMENTATION* (*N028886 001*); 12 MONTHS $12,700

NATIONAL ACADEMY OF SCIENCES

ROWAN, EDMUMD C; *TASK ORDER FOR PREPARATION FOR U.S. PARTICIPATION IN THE UNISIST INTERGOVERNMENTAL CONFERENCE* (*C310210 001*); 1 MONTHS $1,600

COLEMAN, JOHN S; *INTERNATIONAL COUNCIL OF SCIENTIFIC UNION ABSTRACTING BOARD* (*C310234*); 12 MONTHS $10,000

NATIONAL TECHNICAL INFORMATION SERVICE

KNOX, WILLIAM T; *OPERATIONAL SUPPORT FOR THE NATIONAL SCIENCE FOUNDATION:S SPECIAL FOREIGN CURRENCY PROGRAM* (*CA33000 004*); 12 MONTHS $87,850

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

ROWAN, EDMUND C; *SUPPORT OF THE U.S. NATIONAL COMMITTEE FOR THE INTERNATIONAL FEDERATION FOR DOCUMENTATION (FID)* (*C310041 013*); 9 MONTHS $42,540

MASSACHUSETTS

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LOCKE, WILLIAM N; *STUDY INTO THE DISSEMINATION OF SCIENTIFIC AND TECHNICAL INFORMATION IN THE U.S.S.R.* (*N000124 004*); 12 MONTHS $16,055

SCIENCE INFORMATION RESEARCH

RESEARCH AND STUDIES

CALIFORNIA

UNIVERSITY OF CALIFORNIA, BERKELEY

MARON, M E; *LOGICAL FOUNDATIONS OF INFORMATION RETRIEVAL* (*N032881*); 24 MONTHS $47,900

UNIVERSITY OF SOUTHERN CALIFORNIA

KAPRIELIAN, ZOHRAB A, AND CHRISTY, ROBERT F; *AN ANALYSIS OF POTENTIAL BENEFITS THROUGH SHARING OF LIBRARY RESOURCES-CALTECH, UCLA, USC* (*N033010*); 24 MONTHS $126,500

COLORADO

UNIVERSITY OF DENVER-DENVER RESEARCH INSTITUTE

ROBBINS, MARTIN D; *AN EXAMINATION OF THE EXTENT AND IMPACT OF NEWLY EMERGING SCIENTIFIC AND TECHNICAL INFORMATION SERVICES* (*N032880*); 12 MONTHS $68,900

CONNECTICUT

YALE UNIVERSITY

PRICE, DEREK J DE SOLLA; *STATISTICAL STUDIES OF CITATION AND OTHER CHARACTERISTICS OF THE WORLD'S SCIENTIFIC LITERATURE* (*N000871 001*); 22 MONTHS $11,600

GEORGIA

GEORGIA INSTITUTE OF TECHNOLOGY

SLAMECKA, VLADIMIR; *GEORGIA INSTITUTE OF TECHNOLOGY, SCIENCE INFORMATION RESEARCH CENTER* (N000655 004); $170,000

UNIVERSITY OF GEORGIA

WARE, GLENN O; *A SIMULATION STUDY OF AN INFORMATION DISSEMINATION CENTER NETWORK* (N032214); 12 MONTHS $97,900

ILLINOIS

IIT RESEARCH INSTITUTE

WILLIAMS, MARTHA E, AND SCHIPMA, PETER B; *DESIGN AND SPECIFICATIONS FOR MANIPULATING LARGE DATA BASES* (C734000); 12 MONTHS $169,000

INDIANA

PURDUE UNIVERSITY

TOULOUKIAN, Y S; *DEVELOPMENT OF A COMPUTERIZED SYSTEM OF CROSS-FILE SEARCH OF EXTENSIVE COMPLEX DATA BANKS ON NUMERICAL DATA OF PHYSICAL CONSTANTS* (N032112); 24 MONTHS $96,200

MARYLAND

GENERAL ELECTRIC COMPANY-INFORMATION SYSTEMS OFFICE

; *DESIGN OF A PROGRAM FOR GATHERING DATA ON THE UTILITY OF INDEXES* (C412000 001); 12 MONTHS $1,843

; *AN INVESTIGATION OF BASIC PROCESSES INVOLVED IN THE MANUAL INDEXING OF SCIENTIFIC DOCUMENTS* (C422000 002); 12 MONTHS $1,328

NEW YORK

SYRACUSE UNIVERSITY

DOUGHERTY, RICHARD M; *AN INVESTIGATION OF CAMPUS LIBRARY ORGANIZATIONAL STRUCTURE* (N032381); 12 MONTHS $33,800

PENNSYLVANIA

DREXEL UNIVERSITY

GRIFFITH, BELVER C; *SCIENTIFIC AND TECHNICAL PERIODICALS PUBLISHED BY PRIVATE INDUSTRY* (N032182); 12 MONTHS $71,700

LEHIGH UNIVERSITY

LEIBOWITZ, MICHAEL B; *THE APPLICABILITY OF LEADERMART TEXT-PROCESSING TO THE U.S. PATENT OFFICE COMPUTER AIDED CLASSIFICATION PROJECT* (N032600); 12 MONTHS $14,970

SCIENCE EDUCATION SUPPORT

STUDENT DEVELOPMENT

PRE-COLLEGE LEVEL

ARIZONA

NORTHERN ARIZONA UNIVERSITY

SEAMAN, P DAVID; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007549)*; 10 MONTHS $13,493

ARKANSAS

UNIVERSITY OF ARKANSAS

ANDERSON, RICHARD J; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007573)*; 18 MONTHS $13,211

CALIFORNIA

CALIFORNIA STATE COLLEGE AT BAKERSFIELD

FANG, FABIAN T; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007598)*; 10 MONTHS $10,367

CALIFORNIA STATE UNIVERSITY, HUMBOLDT

BUTLER, JOHN E; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007545)*; 10 MONTHS $27,921

CALIFORNIA STATE UNIVERSITY, SAN DIEGO

DEATON, EDMUND I; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007521)*; 10 MONTHS $19,688

SPANGLER, JOHN A; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007542)*; 10 MONTHS $17,470

COMMITTEE FOR ADVANCED SCIENCE TRAINING

MCKEE, RALPH W; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007590)*; 10 MONTHS $9,204

HARVEY MUDD COLLEGE

BELL, GRAYDON; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007593)*; 10 MONTHS $15,971

SALK INSTITUTE FOR BIOLOGICAL STUDIES

HYMAN, [illegible]OBERT; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007540)*; 10 MONTHS $2,200

STANFORD UNIVERSITY

COLEMAN, ERNEST; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007567)*; 10 MONTHS $2,452

UNIVERSITY OF CALIFORNIA, BERKELEY

PORTIS, ALAN M; *CENTER OF EXCELLENCE IN SCIENCE EDUCATION (W006812 001*)*; 14 MONTHS $15,000

WOLF, FRANTISEK; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007585)*; 10 MONTHS $16,237

UNIVERSITY OF SOUTHERN CALIFORNIA

MERZ, ROBERT C; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007543)*; 10 MONTHS $15,062

UNIVERSITY OF CALIFORNIA, SAN DIEGO-SCRIPPS INSTITUTION OF OCEANOGRAPHY

CLICQUENNOI, ROBERT L; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007619)*; 8 MONTHS $24,895

COLORADO

COLORADO SCHOOL OF MINES

BURNETT, JERROLD J; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007536)*; 10 MONTHS $26,035

UNIVERSITY OF COLORADO

IVES, JACK D; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007534)*; 10 MONTHS $9,999

CONNECTICUT

WESLEYAN UNIVERSITY

GAUTHIER, JOSEPH J; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007558)*; 10 MONTHS $20,039

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS (22AWDS)*; $13,743

AMERICAN UNIVERSITY

SCHUBERT, LEO; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007514)*; 10 MONTHS $11,157

EXOTECH SYSTEMS INC

EHRMAN, L; *TASK ORDER FOR DATA PROCESSING AND TABULATION OF STUDENT PARTICIPANT DATA FOR 1970 AND 1971 SSTP AND SUPPLEMENTARY PROGRAMS (C433019)*; 5 MONTHS $29,970

FEDERAL CITY COLLEGE

SAVITZ, MAXINE L; *SCIENCE MOBILE LABORATORY PROJECT FOR DISTRICT OF COLUMBIA SCHOOLS AND COMMUNITY (W006349 001*)*; 18 MONTHS $67,424

NATIONAL SCIENCE TEACHERS ASSOCIATION

KIZER, FRANKLIN D; *SEVEN REGIONAL CONFERENCES ON SCIENCE EDUCATION IN THE ELEMENTARY AND SECONDARY SCHOOLS OF THE NATION (W006809*)*; 12 MONTHS $1,100

FLORIDA

FLORIDA ATLANTIC UNIVERSITY

DELEON, M J; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007565)*; 10 MONTHS $17,120

FLORIDA STATE UNIVERSITY

BARNES, LEHMAN W; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007522)*; 10 MONTHS $18,286

GEORGIA

EMORY UNIVERSITY

NEFF, MARY F; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007524)*; 10 MONTHS $10,470

FERNBANK SCIENCE CENTER

KNAPPENBERGER, PAUL H; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007612)*; 10 MONTHS $9,856

GEORGIA STATE UNIVERSITY

SEARS JR, CURTIS T; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007550)*; 10 MONTHS $11,989

MORRIS BROWN COLLEGE

PAYNE, W F; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007603)*; 10 MONTHS $17,910

IDAHO

COLLEGE OF IDAHO

SCHATZ, BRUCE S; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007589)*; 10 MONTHS $5,572

UNIVERSITY OF IDAHO

JOHNSTON, LAWRENCE H; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007541)*; 10 MONTHS $22,892

ILLINOIS

ELMHURST COLLEGE

HOLLIDAY, T B; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007556)*; 10 MONTHS $6,440

FIELD MUSEUM OF NATURAL HISTORY

SMITH, HARRIET M; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007531)*; 10 MONTHS $9,138

NATIONAL MERIT SCHOLARSHIP CORPORATION

STALNAKER, JOHN M; *CONTRACT FOR SELECTION/THE 1972 PRESIDENTS AUSTRAL SCIENCE SCHOLARS (C601000 003)*; 12 MONTHS $7,500

NORTHERN ILLINOIS UNIVERSITY

SPANCLER, CHARLES W; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007523)*; 10 MONTHS $18,828

UNIVERSITY OF ILLINOIS AT URBANA

DOBROVOLNY, JERRY S; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007526)*; 10 MONTHS $21,204

CHICAGO PARK DISTRICT-ADLER PLANETARIUM

HYNEK, J ALLEN; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007528)*; 18 MONTHS $16,147

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

MCBURNEY, WENDELL F; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007527)*; 10 MONTHS $34,194

PURDUE UNIVERSITY

ABERLE, ELTON D; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007529)*; 10 MONTHS $28,450

IOWA

LUTHER COLLEGE

TJOSTEM, JOHN L; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007591)*; 10 MONTHS $11,162

WARTBURG COLLEGE

HERTEL, ELMER W; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007546)*; 10 MONTHS $9,565

KANSAS

KANSAS STATE TEACHERS COLLEGE OF EMPORIA

CRAM, S WINSTON; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007505)*; 10 MONTHS $12,954

KENTUCKY

ASBURY COLLEGE

RAY, J PAUL; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007571)*; 10 MONTHS $27,625

CENTRE COLLEGE OF KENTUCKY

SAGAR, WILLIAM C; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007610)*; 10 MONTHS $7,052

THOMAS MORE COLLEGE

MUELLER, MARY CASIMIRA; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007560)*; 10 MONTHS $13,150

LOUISIANA

LOUISIANA STATE UNIVERSITY, BATON ROUGE

BENNETT, HARRY J; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007594)*; 10 MONTHS $15,757

LOUISIANA TECH UNIVERSITY

CHRISTIAN, JAMES A; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007580)*; 10 MONTHS $15,840

LOYOLA UNIVERSITY

CHRISTMAN, JOHN F; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007519)*; 10 MONTHS $29,651

NORTHWESTERN STATE UNIVERSITY OF LOUISIANA

BURNS, THOMAS A; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007551)*; 10 MONTHS $13,262

SOUTHERN UNIVERSITY

SPIKES, DOLORES R; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007574)*; 10 MONTHS $17,352

LOUISIANA STATE UNIVERSITY, BATON ROUGE-AGRICULTURAL EXPERIMENT STATION

WELLS, DARTHON V; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007555)*; 10 MONTHS $35,179

MAINE

JACKSON LABORATORY

WAYMOUTH, CHARITY; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007506)*; 10 MONTHS $19,313

MARYLAND

NONE; *OTHER PROGRAM AWARDS (04AWDS)*; $1,912

MASSACHUSETTS

HAMPSHIRE COLLEGE

KELLY, DAVID C; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007559)*; 10 MONTHS $28,373

MICHIGAN

MICHIGAN STATE UNIVERSITY

PEEBLES, CHARLES R; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007539)*; 10 MONTHS $28,037

MELTZ, DAVID; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007547)*, 10 MONTHS $11,850

UNIVERSITY OF DETROIT

WEMPLE, JAMES; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007566)*; 10 MONTHS $3,912

WAYNE STATE UNIVERSITY

SAPERSTEIN, ALVIN M; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W00753[illegible])*; 10 MONTHS $27,242

WESTERN MICHIGAN UNIVERSITY

KENT, NEIL D; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007563)*; 10 MONTHS $35,754

MALLINSON, GEORGE G; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007570)*; 10 MONTHS $25,478

MINNESOTA

ST OLAF COLLEGE

GERY, FRANK W; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007548)*; 10 MONTHS $13,827

UNIVERSITY OF MINNESOTA

MORAN, JOHN P; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007608)*; [illegible] MONTHS $24,960

UNIVERSITY OF MINNESOTA-MEDICAL SCHOOL

HALBERG, FRANZ; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007613)*; 18 MONTHS $16,081

MISSISSIPPI

RUST COLLEGE

AHUJA, AVTAR S; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007605)*; 10 MONTHS $21,123

MISSOURI

ACADEMY OF SCIENCE OF ST LOUIS

BRAZIER, DONN P; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007606)*; 21 MONTHS $9,976

NEBRASKA

NEBRASKA WESLEYAN UNIVERSITY

LAURSEN, PAUL H; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007557)*; 10 MONTHS $18,267

NEVADA

FORESTA INST FOR OCEAN & MOUNTAIN STUDIES

MILLER, RICHARD GORDON; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007562)*; 10 MONTHS $18,542

NEW JERSEY

NEWARK COLLEGE OF ENGINEERING

DEUTSCHMAN, HAROLD; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007577)*; 10 MONTHS $11,645

RIDER COLLEGE

SHEATS, JOHN E; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007513)*; 10 MONTHS $11,115

RUTGERS UNIVERSITY

GREITZER, SAMUEL L; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007510)*; 10 MONTHS $19,793

STEVENS INSTITUTE OF TECHNOLOGY

WHITE, MYRON E; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007582)*; 10 MONTHS $26,165

NEW MEXICO

EASTERN NEW MEXICO UNIVERSITY

GENNARO, A L; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007553)*; 10 MONTHS $12,390

NEW MEXICO STATE UNIVERSITY

LUCKY, GEORGE W; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007609)*; 18 MONTHS $12,088

NEW YORK

BOYCE THOMPSON INST FOR PLANT RESEARCH INC

APP, ALVA A; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007508)*; 10 MONTHS $7,867

CLARKSON COLLEGE OF TECHNOLOGY

PARTCH, RICHARD; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007537)*; 10 MONTHS $2,838

COLUMBIA UNIVERSITY

SACHS, ALLAN M; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007579)*; 18 MONTHS $35,000

CORNELL UNIVERSITY

RICHARDSON, ROBERT C; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W006566 001)*; $300

RICHARDSON, ROBERT C; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007569)*; 10 MONTHS $12,856

POLYTECHNIC INSTITUTE OF BROOKLYN

RABINS, MICHAEL; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007568)*; 10 MONTHS $14,663

ZIEGLER, EDWARD N; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007575)*; 10 MONTHS $17,863

STATE UNIVERSITY AT STONY BROOK

SPROUSE, GENE D; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007512)*; 10 MONTHS $2,566

WALDEMAR MEDICAL RESEARCH FOUNDATION

GROSS, LEO; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007511)*; 10 MONTHS $20,358

HEALTH RESEARCH INC-ROSWELL PARK DIVISION

MIRAND, EDWIN A; *STUDENT SCIENCE TRAINING PROGRAM (W004003 001*)*; $994

MIRAND, EDWIN A; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007509)*; 10 MONTHS $23,956

NORTH CAROLINA

BENNETT COLLEGE

SAYLES, J HENRY; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007604)*; 10 MONTHS $26,400

EAST CAROLINA UNIVERSITY

PIGNANI, TULLIO J; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007517)*; 17 MONTHS $10,369

WESTERN CAROLINA UNIVERSITY

DODSON, JOSEPH W; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007552)*; 10 MONTHS $16,670

NORTH DAKOTA

NORTH DAKOTA STATE UNIVERSITY

GARVEY, ROY G; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007535)*, 10 MONTHS $8,287

OHIO

CASE WESTERN RESERVE UNIVERSITY

LANDO, JEROME B; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007583)*; 10 MONTHS $7,120

CENTRAL STATE UNIVERSITY

SCHLUETER, ALBERT W; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007572)*; 10 MONTHS $17,206

NOTRE DAME COLLEGE

DECHANT, SR M JEANMARIE; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007525)*; 18 MONTHS $15,636

OHIO STATE UNIVERSITY

YARRINGTON, PAUL T; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W006679 001)*; 11 MONTHS $300

ROSS, ARNOLD E; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007530)*; 10 MONTHS $41,196

SMITH, LESTER F; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007596)*; 10 MONTHS $18,329

UNIVERSITY OF DAYTON

BOEHMAN, LOUIS I; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007597)*; 10 MONTHS $10,161

XAVIER UNIVERSITY

TOEPKER, TERRENCE P; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007602)*; 10 MONTHS $7,910

OKLAHOMA

UNIVERSITY OF OKLAHOMA

STEINBRINK, JOHN E; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007561)*; 10 MONTHS $8,980

OREGON

OREGON MUSEUM OF SCIENCE AND INDUSTRY

WHITNEY JR, HARTWELL H; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007599)*; 18 MONTHS $14,000

PENNSYLVANIA

CLARION STATE COLLEGE

KONITZKY, GUSTAV A; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007578)*; 10 MONTHS $7,452

HAHNEMANN MEDICAL COLLEGE AND HOSPITAL

SATINSKY, VICTOR P; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007520)*, 18 MONTHS $34,215

LEHIGH UNIVERSITY

WILANSKY, A; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007515)*; 10 MONTHS $14,262

MARINE SCIENCE CONSORTIUM

OOSTDAM, B L; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007587)*; 10 MONTHS $15,832

UNIVERSITY OF PITTSBURGH

STOEHR, R A; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007516)*; 10 MONTHS $6,825

RHODE ISLAND

UNIVERSITY OF RHODE ISLAND

CROASDALE, WILLIAM, *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007595)*; 10 MONTHS $13,258

SOUTH CAROLINA .

CLEMSON UNIVERSITY

BAXTER JR, L W; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007518)*; 10 MONTHS $12,980

UNIVERSITY OF SOUTH CAROLINA

ZINGMARK, RICHARD G; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007581)*; 10 MONTHS $14,751

TENNESSEE

CARSON-NEWMAN COLLEGE

NAYLOR, GERALD W; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007616)*; 10 MONTHS $17,845

CHRISTIAN BROTHERS COLLEGE

DOODY, EDWARD; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007586)*; 10 MONTHS $17,017

DAVID LIPSCOMB COLLEGE

WALDEN, GEORGE E; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007614)*; 10 MONTHS $16,640

TENNESSEE TECHNOLOGICAL UNIVERSITY

MARTIN, ROBERT E; *TECH AQUA PROJECT (Y007679 001*)*; $25,000

UNIVERSITY OF THE SOUTH

PEYSER, CHARLES S; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007601)*; 10 MONTHS $8,188

TEXAS

BAYLOR UNIVERSITY

SCHWETMAN, HERBERT D; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007618)*; 10 MONTHS $6,046

TEXAS A & M UNIVERSITY

FIFE, WILLIAM P; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007588)*; 10 MONTHS $13,739

TEXAS ASSN FOR GRADUATE EDUCATION & RESEARCH

PIERCE, JACK R; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007607)*; 10 MONTHS $35,818

UNIV OF TEXAS AT AUSTIN

SPEAR, IRWIN; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007544)*; 10 MONTHS $20,181

UTAH

UNIVERSITY OF UTAH

DAVIS, E ALLAN; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007554)* 18 MONTHS $25,284

UTAH STATE UNIVERSITY

CANNON, LAWRENCE O; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007532)*; 10 MONTHS $16,398

VERMONT

BENNINGTON COLLEGE

VAN DERLINDE, REINHOUD H; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE) (W007507)*; 10 MONTHS $22,270

VIRGINIA

COLLEGE OF WILLIAM AND MARY

FUNSTEN, HERBERT O; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE)* (*W007600*); 10 MONTHS $2,664

WASHINGTON

FOUNDATION FOR GLACIER AND ENVIRONMENTAL RES

MILLER, MAYNARD M; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE)* (*W007564*); 10 MONTHS $6,150

UNIVERSITY OF WASHINGTON

JAYNE, BENJAMIN A; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE)* (*W007592*); 10 MONTHS $16,000

WHITMAN COLLEGE

KEISER JR, VICTOR H; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE)* (*W007533*); 10 MONTHS $12,645

WEST VIRGINIA

WEST VIRGINIA UNIVERSITY

KELLER JR, E C; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE)* (*W007584*); 10 MONTHS $12,322

WHEELING COLLEGE

LONER, CHARLES J; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE)* (*W007576*); 18 MONTHS $3,398

WISCONSIN

UNIVERSITY OF WISCONSIN, MADISON

MAXWELL, GEORGE M; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE)* (*W007611*); 10 MONTHS $10,913

WISCONSIN STATE UNIVERSITY, LA CROSSE

ARORA, MANMOHAN S; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE)* (*W007615*); 10 MONTHS $17,803

WISCONSIN STATE UNIVERSITY, SUPERIOR

DICKAS, ALBERT B; *STUDENT SCIENCE TRAINING PROGRAM (PRE-COLLEGE)* (*W007617*); 10 MONTHS $18,127

UNDERGRADUATE LEVEL

ALABAMA

ALABAMA AGRICULTURAL AND MECHANICAL UNIVERSITY

RIGGINS, LEE SHEFTON; *EVALUATION OF RURAL WATER SUPPLIES IN NORTH ALABAMA* (*Y009645*); 12 MONTHS $10,350

TUSKEGEE INSTITUTE

SAINI, RAJINDER S; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009821*); 11 MONTHS $11,910

UNIVERSITY OF ALABAMA IN BIRMINGHAM

PEARSON, COLIN A; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y00991[illegible]*); 11 MONTHS $14,080

UNIVERSITY OF ALABAMA, TUSCALOOSA

ALBRIGHT JR, RONALD G; *PESTICIDE DISTRIBUTION IN A TYPICAL SOUTHEASTERN REGION* (*Y009592*); 12 MONTHS $18,780

ALASKA

UNIVERSITY OF ALASKA

HOSKINS, L CLARON; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010016*); 11 MONTHS $5,670

ARIZONA

ARIZONA STATE UNIVERSITY

REISER, CASTLE O; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010007*); 11 MONTHS $11,630

UNIVERSITY OF ARIZONA

MULLER, ANTHONY B; *STUDENT-ORIGINATED STUDIES* (*Y009571*); 12 MONTHS $10,010

SEMELSBERGER, ROBERT G; *SULFUR DIOXIDE-SULFATE SMELTER EMISSIONS IN THE SAN MANUEL-TUCSON BASIN* (*Y009636*); 12 MONTHS $15,950

ARKANSAS

UNIVERSITY OF ARKANSAS

MOOSE, MICHAEL; *THE MOBILE HOME SYNDROME- ITS PROGNOSIS, DIAGNOSIS, AND PRESCRIPTION* (*Y009614*); 12 MONTHS $13,240

YEARGAN, J R; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009899*); 11 MONTHS $9,600

SIMS, LESLIE B; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010017*); 11 MONTHS $16,410

CALIFORNIA

CALIFORNIA ACADEMY OF SCIENCES

SHAW, EVELYN; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009911*); 11 MONTHS $10,020

CALIFORNIA INSTITUTE OF TECHNOLOGY

DEAN, RICHARD A; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009754*); 11 MONTHS $10,760

BEAUCHAMP, JESSE LEE; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009762*); 11 MONTHS $18,720

CLARK, DONALD S; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009789*); 11 MONTHS $11,510

SINSHEIMER, ROBERT L; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009880*); 11 MONTHS $26,360

CALIFORNIA STATE COLLEGE AT BAKERSFIELD

STARBUCK JR, EDWIN R; *AIR POLLUTION AND ITS RELATION TO LUNG DISORDERS* (*Y009687*); 12 MONTHS $19,940

CALIFORNIA STATE COLLEGE AT SONOMA

SERPA, LAWRENCE E; *THE IMPACT OF BACKPACKERS ON THE SIERRA NEVADA* (*Y009690*); 12 MONTHS $8,610

CALIFORNIA STATE UNIVERSITY, FRESNO

KAUFFMAN, GEORGE B; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009916*); 11 MONTHS $17,550

CALIFORNIA STATE UNIVERSITY, LOS ANGELES

BROWN, COSTELLO L; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009915*); $16,200

BROWN, COSTELLO L; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009915 001*); $900

CALIFORNIA STATE UNIVERSITY, SACRAMENTO

NEWCOMB, CHARLES P; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009846*); 11 MONTHS $5,030

CALIFORNIA STATE UNIVERSITY, SAN DIEGO

WALBA, HAROLD; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009733*); 11 MONTHS $20,170

HILLIX, WILLIAM A; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009917*); 11 MONTHS $14,270

CALIFORNIA STATE UNIVERSITY, SAN JOSE

KIRMEYER, SANDRA; *SOCIAL, PSYCHOLOGICAL AND ENVIRONMENTAL FACTORS AFFECTING ATTITUDES TOWARD PARENTHOOD* (*Y009575*); 12 MONTHS $17,310

HENRY, DIANA GALE; *IMPACT OF HUMAN ACTIVITY ON HENRY W. COE STATE PARK* (*Y009674*); 12 MONTHS $16,670

CALIFORNIA STATE UNIVERSITY, SAN LUIS OBIS PO

LANE, JOHN R; *LAND OWNERSHIP AND PLANNING TECHNIQUES* (*Y009638*); 12 MONTHS $11,630

HARVEY MUDD COLLEGE

KUBOTA, MITSURU; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009760*); 11 MONTHS $9,300

GREEVER, JOHN; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009918*); 11 MONTHS $10,300

IMMACULATE HEART COLLEGE

GREEN, SR AGNES ANN; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009919*); 11 MONTHS $7,330

MOUNT ST MARY0S COLLEGE

BUNDY, HALLIE F; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009920*); 11 MONTHS $4,000

OCCIDENTAL COLLEGE

MCADAM, DOUG; *POWER STRUCTURE IN AN INTERRACIAL FRINGE COMMUNITY* (*Y009655*); 12 MONTHS $11,280

DEHAAN, FRANK P; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009881*); 11 MONTHS $8,000

POMONA COLLEGE

FASS, RICHARD A; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009778*); 11 MONTHS $7,650

STANFORD UNIVERSITY

RILEY, WILLIAM M; *SHORT-TERM HEALTH EFFECTS OF AIR POLLUTION* (*Y009654*); 12 MONTHS $12,790

KEUSINK, CHRISTOPHER; *EFFECTS OF CALIFACTION ON SUB-TIDAL AND INTER-TIDAL COMMUNITIES- PHASE I* (*Y009656*); 12 MONTHS $10,200

UNIVERSITY OF CALIFORNIA, BERKELEY

HAND, CADET; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009815*); 11 MONTHS $9,750

UNIVERSITY OF CALIFORNIA, IRVINE

HEALEY, PATRICK L; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010031*); 11 MONTHS $22,530

UNIVERSITY OF CALIFORNIA, LOS ANGELES

KNOBLER, CHARLES M; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009766)*; 11 MONTHS $31,200

RITTENBERG, S C; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009921)*; 11 MONTHS $12,200

UNIVERSITY OF CALIFORNIA, RIVERSIDE

SIEH, KERRY; *THE SOCIOLOGICAL AND ECONOMIC IMPACT OF SAN JACINTO FAULT SYSTEM (Y009667)*; 12 MONTHS $24,570

CARTER, LEWIS F; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009763)*; 11 MONTHS $15,520

SHANNON, [illegible] M; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009922)*; 11 MONTHS $14,240

UNIVERSITY OF CALIFORNIA, SAN DIEGO

ATKINSON, WILLIAM D; *COMPUTER ANIMATION OF AIR POLLUTION (Y009584)*; 12 MONTHS $16,990

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

LEW, BARCLAY; *CRIMINAL ACTIVITY AND ALLOCATION OF POLICE MANPOWER IN SANTA BARBARA (Y009577)*; 12 MONTHS $7,220

UNIVERSITY OF REDLANDS

ROBERTS, JULIAN L; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009791)*; 11 MONTHS $5,120

UNIVERSITY OF SANTA CLARA

DE BOUVERE, KAREL L; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009923)*; 11 MONTHS $10,630

UNIVERSITY OF THE PACIFIC

VAN BUSKIRK, MARY ANNE; *CAUSES AND EFFECTS OF CULTURAL EUTROPHICATION OF BLUE LAKE (Y009639)*; 12 MONTHS $13,060

COLORADO

COLORADO STATE UNIVERSITY

BOTTOMS, KENNETH E; *ENVIRONMENTAL MANAGEMENT ALTERNATIVES FOR FIVE LEVELS OF LAND USE (Y009632)*; 12 MONTHS $15,940

UNIVERSITY OF COLORADO

IVES, JACK D; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009793)*; 11 MONTHS $15,420

ASHBY, NEIL; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009818)*; 11 MONTHS $13,100

UNIVERSITY OF DENVER

BRANDOM, WILLIAM F; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009927)*; 11 MONTHS $12,440

CORTESE, CHARLES F; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009959)*; 11 MONTHS $15,200

WESTERN INTERSTATE COMM FOR HIGHER EDUCATION

HULLINGHORST, ROBERT S; *RESOURCES [illegible]ELOPMENT INTERNSHIP PROGRAM (Y009332*)*; 16 MONTHS $18,225

UNIVERSITY OF COLORADO-DENVER CENTER

HOVEY III, GEORGE L; *STUDENT-ORIGINATED STUDIES (Y009563)*; 12 MONTHS $16,050

CONNECTICUT

CONNECTICUT COLLEGE

DESIDERATO, OTELLO; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009929)*; 11 MONTHS $14,420

FAIRFIELD UNIVERSITY

TOOME[illegible], JOHN; *CHEMICAL COMPOSITION AND BIOLOGICAL ACTIVITY IN THE HOUSATONIC RIVER (Y009684)*; 12 MONTHS $14,150

OCONNELL JR, E J; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009928)*; 11 MONTHS $6,570

NEW ENGLAND INSTITUTE

SMITH, JOHN; *THE GREAT SWAMP IN PATTERSON, PUTNAM COUNTY, NEW YORK (Y009652)*; 12 MONTHS $9,150

ST JOSEPH COLLEGE

CONDON, JEANETTE; *PROBLEMS AND POTENTIAL USES OF LAKE LILLINONAH (Y009671)*; 12 MONTHS $15,540

MARKHAM, SR M CLARE; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009870)*; 11 MONTHS $5,990

WESLEYAN UNIVERSITY

SMITH, CHARLES H; *PARAMETERS FOR DETERMINING LAND USE IN THE COGINCHAUG RIVER VALLEY (Y009635)*; 12 MONTHS $13,680

CUROTT, DAVID R; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009920)*; 11 MONTHS $7,340

YALE UNIVERSITY

FISHER, JOHN BERTON; *SUBSTRATE PERTURBATIONS OF BENTHIC COMMUNITIES IN LONG ISLAND SOUND (Y009623)*; 12 MONTHS $12,570

WESTERFIELD, H BRADFORD; *UNDERGRADUATE RESEARCH PARTICIPATION (Y0097[illegible])*; 11 MONTHS $18,680

RESCORLA, ROBERT A; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009783)*; 11 MONTHS $17,290

RAMUS, J S; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009825)*; 11 MONTHS $13,730

DELAWARE

UNIVERSITY OF DELAWARE

RUSHER, DAVID L; *EFFECTS OF NOISE, CAGE COMPLEXITY AND DENSITY ON LABORATORY RAT POPULATIONS (Y009620)*; 12 MONTHS $25,300

COOPER, CHARLES B; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009843)*; 11 MONTHS $10,150

DISTRICT OF COLUMBIA

EXOTECH SYSTEMS INC

SCHALKOWSKY, SAMUEL; *COLLEGE UNDERGRADUATE INSTRUCTIONAL PROGRAM (C433016)*; 3 MONTHS $11,829

GEORGETOWN UNIVERSITY

EVANS, PAMELA MARI; *EXPLORING TECHNIQUES FOR OVERCOMING MISPERCEPTIONS IN INTERRACIAL COMMUNICATIONS (Y009595)*; 12 MONTHS $11,670

POPE, MICHAEL T; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009767)*; 11 MONTHS $12,720

SMITHSONIAN INSTITUTION

DAVIDSON, EDWARD S; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009729)*; 11 MONTHS $15,620

DAVIDSON, EDWARD S; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009734)*; 11 MONTHS $8,480

FLORIDA

FLORIDA STATE UNIVERSITY

GROSSLIGHT, J H; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009756)*; 11 MONTHS $19,600

FLORIDA TECHNOLOGICAL UNIVERSITY

POPPLETON, JAMES ERI; *A BIOTIC PROFILE OF THE FTU CAMPUS PINELANDS (Y009651)*; 12 MONTHS $18,060

UNIVERSITY OF FLORIDA

DOLBIER JR, WILLIAM R; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009736)*; 11 MONTHS $24,430

SHEPPARD, D MAX; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009904)*; 11 MONTHS $22,800

CLUBOK, ALFRED B; *UNDERGRADUATE RESEARCH PARTICIPATION (Y010014)*; 11 MONTHS $14,590

UNIVERSITY OF MIAMI

NEALE, PATRICK H; *CHEMICAL AND BIOLOGICAL CAUSES OF SOUTH FLORIDA FISH KILLS (Y009672)*; 12 MONTHS $17,670

GEORGIA

AGNES SCOTT COLLEGE

CLARK, MARION T; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009863)*; 11 MONTHS $12,110

COLUMBUS COLLEGE

MIMS, SUSAN C; *EFFECTS OF AN URBAN ENVIRONMENT ON BULL CREEK DRAINAGE SYSTEM (Y009613)*; 12 MONTHS $15,180

EMORY UNIVERSITY

DAY JR, R A; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009775)*; 11 MONTHS $11,880

GEORGIA INSTITUTE OF TECHNOLOGY

LIOTTA, CHARLES L; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009892)*; 11 MONTHS $12,180

UNIVERSITY OF GEORGIA

SCOTT, ALAN; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009806)*; 11 MONTHS $18,280

WYNNE, KENNETH J; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009859)*; 11 MONTHS $24,400

SANSING, NORMAN G; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009931)*; 11 MONTHS $9,300

HAWAII

UNIVERSITY OF HAWAII

KJARGAARD, JOHN I; *RAIN FOREST ECOSYSTEMS IN WAIHOI VALLEY AND UPPER HANA FOREST RESERVE (Y009624)*; 12 MONTHS $18,420

WESTERN, ROBERT J; *THE MOKAPU OUTFALL BASELINE (Y009662)*; 12 MONTHS $23,540

TUGGLE, H DAVID; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009847)*; 11 MONTHS $7,250

IDAHO

IDAHO STATE UNIVERSITY

JOHNSON, DONALD W; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010020*); 11 MONTHS $19,080

UNIVERSITY OF IDAHO

BUETTNER, MARK R; *WATER QUALITY OF THE PALOUSE RIVER DRAINAGE* (*Y009646*); 12 MONTHS $16,770

RENFREW, MALCOLM M; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009921*); 11 MONTHS $12,000

ILLINOIS

ARGONNE NATIONAL LABORATORY

MILLER, SHELBY A; *UNDERGRADUATE RESEARCH PARTICIPATION* (*AG00354*); 11 MONTHS $30,400

MILLER, SHELBY A; *UNDERGRADUATE RESEARCH PARTICIPATION* (*AG00355*); 11 MONTHS $30,400

MILLER, SHELBY A; *UNDERGRADUATE RESEARCH PARTICIPATION* (*AG00356*); 11 MONTHS $30,400

BRADLEY UNIVERSITY

BJORKLUND, RICHARD G; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009925*); 11 MONTHS $5,790

FIELD MUSEUM OF NATURAL HISTORY

MARTIN, PAUL S; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009752*); 11 MONTHS $21,600

ILLINOIS INSTITUTE OF TECHNOLOGY

WARNER, BRIAN D; *STEREOSPECIFIC CHELATING AGENTS IN THE DETOXIFICATION OF HEAVY METALS* (*Y009664*); 12 MONTHS $14,710

NEUBERT, THEODORE J; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009886*); 11 MONTHS $12,520

KNOX COLLEGE

MITTON, JOSEPH P; *GROWTH RESPONSES OF BLUE-GREEN ALGAE IN VARIED CHEMICAL CONCENTRATIONS* (*Y009619*); 12 MONTHS $15,520

HARRIS, LELAND; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009889*); 11 MONTHS $7,200

SCHRAMM, PETER; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010025*); 11 MONTHS $8,100

LOYOLA UNIVERSITY

BRUNETTI, ROBERT G; *EFFECTS OF CHLORIDES ON AQUATIC INVERTEBRATES* (*Y009647*); 12 MONTHS $9,890

MONMOUTH COLLEGE

PAYNE, JOHN C, AND PETERSEN, QUENTIN R; *A STUDENT-ORIGINATED, MANAGED AND PRESENTED COURSE IN SCIENCE FOR THE FRESHMAN NON-SCIENCE MAJOR* (*Y009694*); 12 MONTHS $8,900

NORTHERN ILLINOIS UNIVERSITY

EHORN, DOUGLAS A; *AN ANALYSIS OF LEAD POLLUTION IN THE ILLINOIS RIVER SYSTEMS* (*Y009661*); 12 MONTHS $22,450

NORTHWESTERN UNIVERSITY

ERENRICH, GARY ROBERT; *MODELING REFUSE MANAGEMENT SYSTEMS* (*Y009669*); 12 MONTHS $19,220

FREY, PETER; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009784*); 11 MONTHS $19,500

GOLDBERG, ERWIN; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009877*); 11 MONTHS $25,640

SOUTHERN ILLINOIS UNIVERSITY - CARBONDALE

SELLE, BRIAN; *RECLAMATION OF ACID SPOIL LANDS* (*Y009612*); 12 MONTHS $7,460

SOUTHERN ILLINOIS UNIVERSITY - EDWARDSVILLE

KANG, [illegible]A-JU; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009883*); 11 MONTHS $9,050

UNIVERSITY OF CHICAGO

MAHERN, ANTHONY M; *ARCHITECTURAL PRESERVATION POLICY IN CHICAGO* (*Y009693**); 12 MONTHS $13,710

YANG, N C; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009774*); 11 MONTHS $12,720

HARBERGER, ARNOLD C; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009933*); 11 MONTHS $21,120

UNIVERSITY OF ILLINOIS AT URBANA

HUMMEL, JOHN P; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009795*); 11 MONTHS $18,350

MARSH, RICHARD R; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009816*); 11 MONTHS $18,520

MALPASS, ROY S; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009861*); 11 MONTHS $24,350

SANDERS, STEVEN G; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009893*); 11 MONTHS $15,480

WESTERN ILLINOIS UNIVERSITY

DYER, NORMAN J; *RECOVERY OF STREAM MICROCOSMS FOLLOWING SEWAGE ELIMINATION* (*Y009568*); 12 MONTHS $7,580

INDIANA

EARLHAM COLLEGE

MARTIN, CHARLES W; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009828*); 11 MONTHS $6,750

GIFFORD, CAMERON E; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010019*); 11 MONTHS $13,330

INDIANA UNIVERSITY, BLOOMINGTON

HIRS, C H W; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009750*); 11 MONTHS $22,580

SPRINGER, GEORGE; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009900*); 11 MONTHS $19,200

PURDUE UNIVERSITY

SHAFER, PAUL; *STUDENT-ORIGINATED STUDIES* (*Y009567*); 12 MONTHS $16,300

LIVINGSTON, ROBERT L; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009856*); 11 MONTHS $22,350

UNIVERSITY OF NOTRE DAME

BORKOWSKI, JOHN G; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009849*); 11 MONTHS $12,440

ALLEN, C W; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009885*); 11 MONTHS $5,100

YANG, K T; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009898*); 11 MONTHS $16,640

IOWA

CORNELL COLLEGE

AULT, ADDISON; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009764*); 11 MONTHS $7,370

IOWA STATE UNIVERSITY OF SCIENCE & TECHNOLOGY

BARTON, THOMAS J; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009809*); 11 MONTHS $17,590

HARTMAN, PAUL A; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009823*); 11 MONTHS $8,830

ROUGVIE, MALCOLM A; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010024*); 11 MONTHS $10,340

LUTHER COLLEGE

KLEMME, MARK H; *WATER QUALITY OF THE UPPER IOWA RIVER WATERSHED* (*Y009578*); 12 MONTHS $14,830

UNIVERSITY OF IOWA

PFLAUM, RONALD T; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009794*); 11 MONTHS $12,800

LEVIN, IRWIN P; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009805*); 11 MONTHS $18,750

GUILLORY, J KEITH; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010018*); 11 MONTHS $10,770

KANSAS

BENEDICTINE COLLEGE

KRAKOWIECKI, JOSEPH M; *SCIENTIFIC AND HISTORICAL ASPECTS OF MISSOURI RIVER POLLUTANTS* (*Y009627*); 12 MONTHS $16,800

FORT HAYS KANSAS STATE COLLEGE

TODD, LARRY L; *PROJECT 'CARLA' COST ANALYSIS FOR THE RENOVATION OF LAKE ATWOOD* (*Y009609*); 12 MONTHS $20,670

KANSAS STATE UNIVERSITY

GREIG, WILLIAM H; *POLLUTION CONTROL IN KANSAS- ATTITUDES OF OFFICIALS AND THE GENERAL POPULATION* (*Y009626*); 12 MONTHS $14,710

SCHRENK, W G; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009853*); 11 MONTHS $15,450

UNIVERSITY OF KANSAS

MIDDAUGH, R L; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009797*); 11 MONTHS $18,610

CULVAHOUSE, J W; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009855*); 11 MONTHS $16,860

DRAPER, LAURENCE R; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009873*); 11 MONTHS $13,400

GRUNEWALD, GARY L; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009874*); 11 MONTHS $12,190

MALONEY, J O; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009890*); 11 MONTHS $16,190

HEDRICK, PHILIP W; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010009*); 11 MONTHS $15,310

KENTUCKY

CENTRE COLLEGE OF KENTUCKY

WALKUP, JOHN H; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009926*); 11 MONTHS $12,000

THOMAS MORE COLLEGE

SCHEWE, GEORGE J; *RELATIONSHIP OF FREEWAY POLLUTION TO SURROUNDING AND NEARBY AREAS* (*Y009574*); 12 MONTHS $10,580

MINER, GEORGE K; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009800*); 11 MONTHS $7,070

UNIVERSITY OF LOUISVILLE

HUBBS, STEPHEN A; *LEAF DISPOSAL- A STUDY OF ALTERNATIVES* (*Y009593*); 12 MONTHS $12,930

SHELTON, R D; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009934*); 11 MONTHS $10,260

WESTERN KENTUCKY UNIVERSITY

DANIEL, LARRY; *THE CONTRIBUTION OF WASTE WATER TREATMENT PLANTS TO LOCALIZED AIR POLLUTION PROBLEMS* (*Y009594*); 12 MONTHS $12,840

SIMPSON JR, WILLIAM B; *WATER QUALITY IN THE TRIBUTARIES OF THE BARREN RIVER* (*Y009625*); 12 MONTHS $11,170

LOUISIANA

LOUISIANA STATE UNIVERSITY, BATON ROUGE

DANIEL JR, L R; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009768*); 11 MONTHS $13,600

LOUISIANA TECH UNIVERSITY

GALLI, ANTHONY J; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009935*); 11 MONTHS $9,200

LOYOLA UNIVERSITY

UPADHYAY, J M; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009936*); 11 MONTHS $10,190

MAINE

JACKSON LABORATORY

WAYMOUTH, CHARITY; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009864*); 11 MONTHS $26,510

UNIVERSITY OF MAINE, ORONO

VETELINO, JOHN F; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009942*); 11 MONTHS $9,590

MARYLAND

NONE; *OTHER PROGRAM AWARDS* (*02AWDS*); $4,1[illegible]5

GOUCHER COLLEGE

PARSLEY, PATRICIA E; *EVALUATION AND PREDICTIONS ON THE EUTROPHICATION OF THE BUSH RIVER SUB-ESTUARY* (*Y009586*); 12 MONTHS $18,130

JOHNS HOPKINS UNIVERSITY

PLACE, ALLEN RICHARD; *NUTRITION AND SYSTEMATICS OF CHESAPEAKE BAY PLANKTERS* (*Y009601*); 12 MONTHS $12,950

BARTLEY, DONALD CRAIG; *METAL DECONTAMINATION IN OYSTERS BY DIPHENYLTHIOCARBAZONE DERIVATIVES* (*Y009604*); 12 MONTHS $14,840

UNIVERSITY OF MARYLAND, COLLEGE PARK

STRUSE, CELESTE BAKER; *EROSION AND SEDIMENT CONTROL ON THE UNIVERSITY OF MARYLAND CAMPUS* (*Y009596*); 12 MONTHS $7,560

BROWN, JOSHUA R C; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010008*); 11 MONTHS $14,410

UNIVERSITY OF MARYLAND, COLLEGE PARK-CHESAPEAKE BIOLOGICAL LAB

KOO, TED S Y; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010026*); 11 MONTHS $10,100

MASSACHUSETTS

AMHERST COLLEGE

SILVER, MARC S; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009753*); 11 MONTHS $8,380

BROPHY, GERALD P; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009944*); 11 MONTHS $7,210

BOSTON COLLEGE

LIND JR, HENRY F; *AQUACULTURE OF THE NAUSET MARSH* (*Y009603*); 12 MONTHS $9,150

MARANO, ALBERT R; *WATER QUALITY AND URBAN PLANNING IN THE LAKE COCHITUATE WATERSHED* (*Y009657*); 12 MONTHS $10,710

BOSTON UNIVERSITY

JOSEPH, MONICA A; *A METHOD OF QUANTITATIVE ANALYSIS OF ATMOSPHERIC POLLUTION* (*Y009643*); 12 MONTHS $9,730

CLARK UNIVERSITY

CURTIS, [illegible]PH C; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009939*); [illegible]THS $12,740

HARV[illegible]VERSITY

AR[illegible]NTHONY T; *UNDERGRADUATE RESEARCH PARTICIPATION* [illegible] 11 MONTHS $8,000

LOWELL TECHNOLOGICAL INSTITUTE

STEED, JULIA; *THE LOWELL CANAL SYSTEM AS A COMMUNITY RESOURCE* (*Y009579*); 12 MONTHS $18,530

MARIA MITCHELL OBSERVATORY

HOFFLEIT, DORRIT; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009932*); 11 MONTHS $4,020

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

COLLIER, ROBERT WILLIAM; *A GENERAL RIVER MODEL FROM ANALYSIS DATA ON CHEMICAL AND PHYSICAL PARAMETERS* (*Y009588*); 12 MONTHS $13,950

COHEN, NEIL; *AN EXAMINATION OF URBAN LEGAL PROBLEMS* (*Y009649*); 12 MONTHS $16,820

GREENE, FREDERICK D; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009769*); 11 MONTHS $23,400

LODISH, HARVEY F; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009882*); 11 MONTHS $22,380

COONEY, CHARLES L; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009907*); 11 MONTHS $16,160

MERRIMACK COLLEGE

[illegible]URANO, VINCENT S; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009943*); 11 MONTHS $6,950

SIMMONS COLLEGE

BELL, JERRY A; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009831*); 11 MONTHS $5,160

SMITH COLLEGE

DE VILLAFRANCA, GEORGE W; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009937*); 11 MONTHS $11,890

TUFTS UNIVERSITY

HAAS, TERRY E; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009759*); 11 MONTHS $12,970

BROWN, LINFIELD C; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009827*); 11 MONTHS $6,270

NICKERSON, NORTON H; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010021*); 11 MONTHS $13,040

UNIVERSITY OF MASSACHUSETTS, AMHERST

BAILEY, GLENN P; *USE OF INDUSTRIAL EFFLUENT IN FOOD PRODUCTION AND SUBSEQUENT WASTE TREATMENT* (*Y009598*); 12 MONTHS $12,700

PAREZO, KENNETH L; *TEST, EVALUATION AND IMPACT OF URBAN VEHICLE SYSTEMS* (*Y009660*); 12 MONTHS $13,490

KIRCHHOFF, ROBERT; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009945*); 11 MONTHS $13,260

WELLESLEY COLLEGE

ALLEN, MARY M; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009845*); 11 MONTHS $11,050

WILLIAMS COLLEGE

TARPY, ROGER M; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009848*); 11 MONTHS $9,450

ART, HENRY W; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009938*); 11 MONTHS $9,210

WORCESTER POLYTECHNIC INSTITUTE

SAVILONIS, BRIAN; *A POLLUTION ABATEMENT SYSTEM FOR LAKE QUINSIGAMOND* (*Y009617*); 12 MONTHS $10,190

DAVID, DANIEL L; *EVALUATION OF THE WPI URBAN VEHICLE CONCEPT* (*Y009677*); 12 MONTHS $15,030

BUSHWELLER, C HACKETT; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009770*); 11 MONTHS $14,400

ZWIEP, DONALD N; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009790*); 11 MONTHS $11,090

MICHIGAN

ADRIAN COLLEGE

MILLER, ROBERT C; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009941*); 11 MONTHS $2,300

ALMA COLLEGE

BEAUMONT, RANDOLPH C; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009946*); 11 MONTHS $6,430

EASTERN MICHIGAN UNIVERSITY

CARTER, GILES F; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009878*); 11 MONTHS $8,680

HOPE COLLEGE

OCKERSE, RALPH; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009834*); 11 MONTHS $12,060

BRINK, IRWIN J; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009871*); 11 MONTHS $14,620

REYNIERSE, JAMES H; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010022*); 11 MONTHS $12,[illegible]50

MICHIGAN STATE UNIVERSITY

BARCH, A M; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009782)*; 11 MONTHS $16,230

KINDEL, PAUL K; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009824)*; 11 MONTHS $18,000

KELLY, W H; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009835)*; 11 MONTHS $21,120

LINNELL, ALBERT P; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009940)*; 11 MONTHS $5,580

NORTHERN MICHIGAN UNIVERSITY

STEWART, SCOT; *USE OF MUNICIPAL AND INDUSTRIAL BY-PRODUCTS AS A SOIL-LIKE PRODUCT (Y009576)*; 12 MONTHS $16,080

OAKLAND UNIVERSITY

TOMBOULIAN, PAUL; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009744)*; 11 MONTHS $9,160

UNIVERSITY OF MICHIGAN

LARIMORE, ANN E; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009735)*; 11 MONTHS $8,820

DRACH, J C; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009748)*; 11 MONTHS $9,930

FORD, RICHARD I; *UNDERGRADUATE RESEARCH PARTICIPATION (Y010011)*; 11 MONTHS $22,050

MINNESOTA

CARLETON COLLEGE

CUNNINGHAM, MICHAEL R; *STUDENT-ORIGINATED STUDIES (Y009162 001)*; 12 MONTHS $520

SHOLES, OWEN; *LAND-USE STUDY OF RICE COUNTY, MINNESOTA (Y009673)*; 12 MONTHS $10,410

MOHRIG, JERRY R; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009869)*; 11 MONTHS $4,060

SHOGER, ROSS L; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009947)*; 11 MONTHS $13,260

GUSTAVUS ADOLPHUS COLLEGE

ANDERSON, MYRON A; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009948)*; 11 MONTHS $5,090

ST OLAF COLLEGE

LARSON, LOREN C; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009949)*; 11 MONTHS $13,060

UNIVERSITY OF MINNESOTA

HAGER, BETH WATERHOUSE; *STUDENT ORIGINATED STUDIES (Y009174 001)*; 11 MONTHS $6,8[illegible]

KELLER, KENNETH H; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009914)*; 11 MONTHS $12,800

UNIVERSITY OF MINNESOTA-UNIVERSITY OF MINNESOTA, DULUTH

HARRISS, DONALD K; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009749)*; 11 MONTHS $15,530

MISSISSIPPI

MISSISSIPPI COLLEGE

WEST, BURKE; *LEAD TRANSFER IN THE JACKSON ENVIRONMENT (Y009675)*; 12 MONTHS $16,190

RUST COLLEGE

AHUJA, AVTAR S; *UNDERGRADUATE RESEARCH PARTICIPATION (Y010012)*; 11 MONTHS $10,970

UNIVERSITY OF MISSISSIPPI

LITTLE, J L; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009908)*; 11 MONTHS $5,000

MISSOURI

UNIVERSITY OF MISSOURI, COLUMBIA

KAISER, EDWIN M; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009773)*; 11 MONTHS $15,660

CREIGHTON, DONALD L; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009913)*; 11 MONTHS $15,430

UNIVERSITY OF MISSOURI, KANSAS CITY

BAUER, STEPHEN B; *DOMESTIC USE OF PESTICIDES AND FERTILIZERS IN AN URBAN ENVIRONMENT (Y009668)*; 12 MONTHS $22,290

UNIVERSITY OF MISSOURI, ROLLA

SPARLIN, DON M; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009841)*; 11 MONTHS $10,400

SAUER JR, HARRY J; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009950)*; 11 MONTHS $16,950

WASHINGTON UNIVERSITY

WANN, DONALD F; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009814)*; 11 MONTHS $10,510

WATSON, PATTY JO; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009951)*; 11 MONTHS $8,480

KARDOS, JOHN L; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009952)*; 11 MONTHS $7,000

MONTANA

UNIVERSITY OF MONTANA

MOZER, THOMAS J; *MISSOULA VALLEY AIR POLLUTION (Y009581)*; 12 MONTHS $10,730

ALT, DAVID; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009747)*; 11 MONTHS $8,340

NEBRASKA

KEARNEY STATE COLLEGE

BEER, ROBERT A; *IMPACT OF WATER RESOURCE DEVELOPMENTS ON THE PLATTE RIVER (Y009648)*; 12 MONTHS $9,510

NEBRASKA WESLEYAN UNIVERSITY

FRENCH JR, WALTER R; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009953)*; 11 MONTHS $6,400

NEW HAMPSHIRE

DARTMOUTH COLLEGE

LYONS, JOHN B; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009771)*; 11 MONTHS $9,400

CLELAND, ROBERT L; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009801)*; 11 MONTHS $12,090

CLEMENT, M O; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009954)*; 11 MONTHS $6,480

ANDERSON, JAMES J; *UNDERGRADUATE RESEARCH PARTICIPATION (Y010020)*; 11 MONTHS $14,780

NEW HAMPSHIRE COLLEGE

DUBOIS, MARY R; *ATTITUDES AND RESISTANCE TO URBAN CHANGE (Y009686)*; 12 MONTHS $18,330

ST ANSELMOS COLLEGE

SAVAGE, PAUL; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009867)*; 11 MONTHS $12,040

UNIVERSITY OF NEW HAMPSHIRE, DURHAM

BECHTELL, HOMER; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009955)*; 11 MONTHS $13,140

NEW JERSEY

FAIRLEIGH DICKINSON UNIVERSITY

DONG, MITCHELL LANG; *EFFECTS OF INDUCSTRIAL POLLUTION ON THE ECOLOGY OF LONG CORAL REEF (Y009678)*; 12 MONTHS $19,350

PRINCETON UNIVERSITY

GILLHAM, J K; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009865)*; 11 MONTHS $2,320

FRESCO, JACQUES R; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009887)*; 11 MONTHS $12,800

RUTGERS UNIVERSITY

PAGE, ROBERT H; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009817)*; 11 MONTHS $12,200

ZIMMERBERG, H J; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009829)*; 11 MONTHS $24,710

SETON HALL UNIVERSITY

STARITA, RICHARD J; *CORRELATIONS OF ATMOSPHERIC TRACE METAL CONCENTRATIONS WITH BODY BURDENS (Y009585)*; 12 MONTHS $10,140

NEW MEXICO

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY

GRAGG, JOHN; *STUDENT-ORIGINATED STUDIES (Y009207 001)*; $502

MULLER, THOMAS J; *ECOLOGY OF THE MIDWAY WATERSHED AREA (Y009688)*; 12 MONTHS $10,000

NEW MEXICO STATE UNIVERSITY

AMES, LYNFORD L; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009956)*; 11 MONTHS $8,470

NEW YORK

AMERICAN MUSEUM OF NATURAL HISTORY

ARONSON, LESTER R; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009875)*; 11 MONTHS $25,[illegible]

ARONSON, LESTER R; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009957)*; 11 MONTHS $2,520

ARONSON, LESTER R; *UNDERGRADUATE RESEARCH PARTICIPATION (Y010027)*; 11 MONTHS $25,480

BARUCH COLLEGE

STORER, NORMAN W; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009958)*; 11 MONTHS $5,100

BROOKHAVEN LABORATORY

PRICE, GLENN A; *UNDERGRADUATE RESEARCH PARTICIPATION* (AG00351); 11 MONTHS $10,810

PRICE, GLENN A; *UNDERGRADUATE RESEARCH PARTICIPATION* (AG00368); 11 MONTHS $2,410

BROOKLYN COLLEGE

ZIEGER, HERMAN E; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009960); 11 MONTHS $24,000

CANISIUS COLLEGE

GASIEWICZ, THOMAS; *CORRELATION OF MERCURY AND CADMIUM LEVELS WITH HUMAN ENVIRONMENT* (Y009629); 12 MONTHS $8,890

LEONE, JAMES A; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009844); 11 MONTHS $8,930

CITY COLLEGE

KREMER, CHESTER B; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009837); 11 MONTHS $31,000

CLARKSON COLLEGE OF TECHNOLOGY

CHUDYK, WAYNE; *SELF-CLEANSING PROPERTIES OF THE ST. REGIS RIVER* (Y009679); 12 MONTHS $7,650

COONEY, DAVID O; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009961); 11 MONTHS $12,720

COLD SPRING HARBOR LAB OF QUANTITATIVE BIOLOGY

ZIPSER, DAVID; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009699); 10 MONTHS $15,640

COLGATE UNIVERSITY

MCLELLAND, JAMES; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009730); 11 MONTHS $13,290

COLLEGE AT BROCKPORT

FINLEY, K THOMAS; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009967); 11 MONTHS $11,000

CORNELL UNIVERSITY

TRAVIS, SANDRA E; *WATER QUALITY OF THE EAST RIVER, CRESTED BUTTE, COLORADO* (Y009600); 12 MONTHS $13,140

MILLER, W T; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009822); 11 MONTHS $21,000

NELSON, WALTER L; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y010023); 11 MONTHS $18,860

HOBART AND WILLIAM SMITH COLLEGES

KIDDER, RICHARD B; *ALLOCHTHONOUS POLLUTANTS IN SENECA LAKE* (Y009590); 12 MONTHS $18,970

HUNTER COLLEGE

ONEILL, SUSAN; *MODELING TERRITORIAL BEHAVIOR IN RETARDED CHILDREN* (Y009580); 12 MONTHS $18,480

ABBOTT, EDWIN H; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009888); 11 MONTHS $11,510

ITHACA COLLEGE

DELANNEY, LOUIS E; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009742); 11 MONTHS $6,150

KOCH, HEINZ F; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009839); 11 MONTHS $7,440

LE MOYNE COLLEGE

KENNEY, PHILIP J; *ECOLOGY OF CAZENOVIA LAKE* (Y009683); 12 MONTHS $10,120

NEW YORK UNIVERSITY

YARMUS, L; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009894); 11 MONTHS $8,090

POLYTECHNIC INSTITUTE OF BROOKLYN

PANOUSSIS, GEORGE; *STUDENT-ORIGINATED STUDIES* (Y009152 001); $300

BOORSTYN, ROBERT R; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009765); 11 MONTHS $27,900

NARDO, SEBASTIAN V; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009810); 11 MONTHS $14,880

KOPLIK, BERNARD; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009895); 11 MONTHS $12,720

WEINDLING, JOACHIM I; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009901); 11 MONTHS $18,100

QUEENS COLLEGE

MAZIN, GEORGE; *POPULATION DENSITY AND SOCIAL PATHOLOGY IN SELECTED AREAS OF NEW YORK CITY* (Y009659*); 12 MONTHS $10,000

RENSSELAER POLYTECHNIC INSTITUTE

SCAVIA, DON; *PROPOSALS FOR ENVIRONMENTAL MANAGEMENT OF RENSSELAER COUNTY LAKES* (Y009611); 12 MONTHS $19,200

MEDICUS, HEINRICH A; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009879); 11 MONTHS $23,450

RUBENFELD, LESTER; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009963); 11 MONTHS $10,380

ROCHESTER INSTITUTE OF TECHNOLOGY

KRAKOWER, EARL; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009964); 11 MONTHS $7,780

SKIDMORE COLLEGE

LE FURGY, WILLIAM G; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009965); 11 MONTHS $10,070

ST LAWRENCE UNIVERSITY

ERICKSON, J MA[illegible]; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009761); 11 MONTHS $7,990

STATE UNIVERSITY AT ALBANY

MADDOW, JANE; *COLLECTION AND ANALYSES OF AEROSOLS IN THE ALBANY AREA* (Y009653); 12 MONTHS $24,360

STATE UNIVERSITY AT BINGHAMTON

POMPI, ROBERT L; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009966); 11 MONTHS $5,950

STATE UNIVERSITY AT BUFFALO

GORELICK, KENNETH; *THE EFFECTS OF ORGANOMERCURIALS ON THE DEVELOPMENT OF 'DROSOPHILA MELANOGASTER'* (Y009663); 12 MONTHS $10,000

STATE UNIVERSITY AT STONY BROOK

THORPE, JOHN A; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009826); 11 MONTHS $14,490

SYRACUSE UNIVERSITY

TURIAN, RAFFI M; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009755); 11 MONTHS $14,240

DOSANJH, D S; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009857); 11 MONTHS $11,140

SCHENCK, JOHN; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y010032); 11 MONTHS $8,660

UNION COLLEGE

POTTER, DONALD I; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009968); 11 MONTHS $7,140

UNIVERSITY OF ROCHESTER

THORNE, JAMES F; *THE IRONDEQUOIT CREEK- AN INDIRECT NUTRIENT SOURCE FOR LAKE ONTARIO* (Y009605); 12 MONTHS $22,740

STRAHAN, ROBERT F; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009858); 11 MONTHS $24,230

CARSTENSEN, EDWIN L; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009969); 11 MONTHS $11,210

HEALTH RESEARCH INC-ROSWELL PARK DIVISION

MIRAND, EDWIN A; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y005939 001); $3,131

MIRAND, EDWIN A; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009811); 11 MONTHS $36,000

NEW YORK UNIVERSITY-UNIVERSITY HEIGHTS CENTER

SHAW, SUSANN J N; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009962); 11 MONTHS $19,350

NORTH CAROLINA

DUKE UNIVERSITY

WELLS, RICHARD L; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009902); 11 MONTHS $19,200

WHITE, R A; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009970); 11 MONTHS $4,950

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

JACOBSON, ALVIN L; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009788); 11 MONTHS $18,600

UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE

REDDEN, ROBERT R; *A MODEL OF AIR POLLUTION IN CHARLOTTE-MECKLENBURG* (Y009689); 12 MONTHS $18,480

WAKE FOREST UNIVERSITY

NOWELL, JOHN W; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009777); 11 MONTHS $7,640

NORTH DAKOTA

NORTH DAKOTA STATE UNIVERSITY

MARICICH, TOM J; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009779); 11 MONTHS $9,890

UNIVERSITY OF NORTH DAKOTA

KARNER, FRANK R; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009732); 11 MONTHS $9,550

BIRTCHER, BRENT; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009903); 11 MONTHS $7,610

OHIO

ANTIOCH COLLEGE

TAYLOR, CHARLES E; *UNDERGRADUATE RESEARCH PARTICIPATION* (Y009884); 11 MONTHS $7,900

BOWLING GREEN STATE UNIVERSITY

EICHENBERG, DEBORAH L; *THE DISEASE ECOLOGY OF CALIFORNIA ENCEPHALITIS IN NORTHWESTERN OHIO* (*Y009644*); 12 MONTHS $17,190

KINSTLE, THOMAS H; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009971*); 11 MONTHS $8,290

CASE WESTERN RESERVE UNIVERSITY

PIERCE, DAVID R; *SURFACE MINING AND RECLAMATION- FOUR ECOSYSTEMS IN TWO OHIO REGIONS* (*Y009607*); 12 MONTHS $20,190

LANDO, JEROME B; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009833*); 11 MONTHS $17,730

DAVIS, ROBERT P; *UNDERGRADUATE RESEARCH PARTICIPATION* ([illegible]); 11 MONTHS $25,730

WALLACE, JOHN F; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y0099[illegible]*); 11 MONTHS $11,560

FORT JR, TOMLINSON; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009973*); 11 MONTHS $9,400

COLLEGE OF WOOSTER

BORDERS JR, CHARLES L; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009741*); 11 MONTHS $8,990

DENISON UNIVERSITY

MICKELSON, MICHAEL E; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009819*); 11 MONTHS $4,040

HEIDELBERG COLLEGE

PEEPLES, MARK E; *STUDENT-ORIGINATED STUDIES* (*Y009565*); 12 MONTHS $16,930

HIRAM COLLEGE

WHEELER, DONALD R; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009974*); 11 MONTHS $6,350

JOHN CARROLL UNIVERSITY

CAROME, EDWARD F; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009975*); 11 MONTHS $11,250

KENT STATE UNIVERSITY

RATLIFF, JUDD; *THE EFFECT OF SELECTED METALS ON CONDITIONED ORGANISMS* (*Y009666*); 12 MONTHS $14,900

TREICHLER, F ROBERT; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009808*); 11 MONTHS $9,960

MARIETTA COLLEGE

PRINCE, ALBERT; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009976*); 11 MONTHS $7,410

OBERLIN COLLEGE

SCHOONMAKER, RICHARD C; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009738*); 11 MONTHS $9,460

SHERMAN, THOMAS F; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y0097[illegible]8*); 11 MONTHS $12,580

VAN ATTA, E LOCHE; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009772*); 11 MONTHS $13,400

TUFTS, ROBERT W; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009977*); 11 MONTHS $4,110

OHIO STATE UNIVERSITY

WELCH, WILLIAM R; *BUILDING MATERIALS FROM RECYCLED GLASS, CERAMICS, PAPER, AND PLASTICS* (*Y009582*); 12 MONTHS $9,970

MEEK, DEVON W; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009803*); 11 MONTHS $30,040

MALSPEIS, LOUIS; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009978*); 11 MONTHS $25,080

UNIVERSITY OF DAYTON

BROWN, CHARLES D; *EFFECTS OF TITANIUM DIOXIDE IN BUCKWHEAT PLANTS* (*Y009587*); 12 MONTHS $6,630

CHANTELL, CHARLES J; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009979*); 11 MONTHS $13,750

WITTENBERG UNIVERSITY

WESTNEAT, DAVID F; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009980*); 11 MONTHS $5,100

WRIGHT STATE UNIVERSITY

HANSON, HARVEY M; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009981*); 11 MONTHS $7,890

NUSSBAUM, NOEL S; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009982*); 11 MONTHS $4,500

OKLAHOMA

OKLAHOMA CITY UNIVERSITY

WURTH, MICHAEL J; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009983*); 11 MONTHS $5,670

SOUTHWESTERN STATE COLLEGE

WHALEY, GARRY; *STUDENT-ORIGINATED STUDIES* (*Y009564*); 12 MONTHS $13,250

UNIVERSITY OF OKLAHOMA

HARVEY, W LAWRENCE; *STUDENT ORIGINATED STUDIES* (*Y009142 001*); 2 MONTHS $900

REISS, CHARLES; *ANALYSIS OF THE SPATIAL DIFFUSION OF OKLAHOMA CITY GHETTO AREAS* (*Y009602*); 12 MONTHS $17,260

CHRISTMORE, DAVID S; *COMMERCIAL PESTICIDES AND THEIR EFFECTS ON SOIL-LIVING 'RHIZOBIUM AND AZOTOBACTER'* (*Y009658*); 12 MONTHS $16,760

RISSER, PAUL G; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009792*); 11 MONTHS $20,140

JERNER, R CRAIG; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009984*); 11 MONTHS $17,600

UNIVERSITY OF TULSA

BROWN, CLARENCE G; *STUDENT-ORIGINATED STUDIES* (*Y009572*); 12 MONTHS $19,460

OREGON

LINFIELD COLLEGE

BOLING, JOHN L; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009985*); 11 MONTHS $5,790

OREGON STATE UNIVERSITY

CARPENTER, STEVE; *EPIPHYTIC LICHENS AS AN INDICATOR OF POLLUTION IN THE WILLAMETTE VALLEY* (*Y009642*); 12 MONTHS $8,590

LOVELAND, WALTER; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009986*); 11 MONTHS $12,480

REED COLLEGE

KELLOGG, GARY LEE; *EFFECTS OF CARBON MONOXIDE CONCENTRATIONS ON BEHAVIOR IN RATS* (*Y009622*); 12 MONTHS $8,020

HANKINS, DEBORAH; *TRACE ELEMENTS IN FISH AS RELATED TO CONCENTRATIONS IN ENVIRONMENT AND DIET* (*Y009630*); 12 MONTHS $12,050

CRONYN, MARSHALL W; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009799*); 11 MONTHS $7,440

SQUIER, LESLIE H; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009896*); 11 MONTHS $15,320

UNIVERSITY OF OREGON - EUGENE

BATISTA, CARLOS; *IMPACT OF BUILDING LAWS ON HOUSING DESIGN FOR SUB-CULTURAL GROUPS* (*Y009681*); 12 MONTHS $9,350

KIMMEL, CHARLES B; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009757*); 11 MONTHS $26,630

KOENIG, THOMAS W; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009776*); 11 MONTHS $10,410

PENNSYLVANIA

BUCKNELL UNIVERSITY

WINSTEAD, MELDRUM; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009850*); 11 MONTHS $9,920

NICKELSEN, RICHARD P; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009852*); 11 MONTHS $4,000

HARCLERODE, JACK; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009987*); 11 MONTHS $12,350

DICKINSON COLLEGE

MEYER, MARVIN W; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010029*); 11 MONTHS $10,320

DREXEL UNIVERSITY

SAVERY, C WILLIAM; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009988*); 11 MONTHS $12,530

FRANKLIN AND MARSHALL COLLEGE

FENSTER, DAVID M; *A BIOLOGICAL SURVEY OF CONESTOGA BASIN STREAM POLLUTION* (*Y009573*); 12 MONTHS $7,860

BEUTNER, EDWARD C; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009751*); 11 MONTHS $7,450

BROOKSHIRE, KENNETH H; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009804*); 11 MONTHS $15,580

GENEVA COLLEGE

ADAMS, ROY M; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009802*); 11 MONTHS $5,250

HAVERFORD COLLEGE

HUNTER, [illegible]OLLAND; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y[illegible]*); 11 MONTHS $9,800

JUNIATA COLLEGE

SCHETTLER JR, PAUL D; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y00[illegible]739*); 11 MONTHS $13,410

LAFAYETTE COLLEGE

YOUNG, ROGER K; *THE BUSHKILL WATERSHED- AN ENVIRONMENTAL BASELINE STUDY* (*Y009628*); 12 MONTHS $18,600

LEHIGH UNIVERSITY

GIANFORCARO, GREGORY J; *ISOLATION AND REMOVAL OF COLOR-PRODUCING SUBSTANCES FROM A WATER SUPPLY* (*Y009685*); 12 MONTHS $9,020

KALNINS, ARTURS; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009868*); 11 MONTHS $13,240

WOOD, JOHN D; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009891)*; 11 MONTHS $11,760

CHEN, WAI-FAH; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009989)*; 11 MONTHS $8,330

LOCK HAVEN STATE COLLEGE

KRAMER, ROBERT E; *POPULATION AND DIVERSITY OF LOWER BALD EAGLE CREEK BIOTA (Y009616)*; 12 MONTHS $8,010

MUHLENBERG COLLEGE

SMART, G N RUSSELL; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009745)*; 11 MONTHS $10,480

PENNSYLVANIA STATE UNIVERSITY

KNEIB, RONALD T; *CHEMICAL AND BIOLOGICAL DYNAMICS OF STRESSED STREAM SITUATIONS (Y009566)*; 12 MONTHS $13,470

STERN, ROBERT M; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009866)*; 11 MONTHS $11,230

TEMPLE UNIVERSITY

DUBECK, LEROY; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009990)*; 11 MONTHS $9,350

UNIVERSITY OF PITTSBURGH

READING, REID R; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009781)*; 11 MONTHS $9,340

WASHINGTON AND JEFFERSON COLLEGE

HAGER, BRUCE L; *PHENOL REMOVAL FROM INDUSTRIAL WASTES USING AMBERLITE XAD-4 RESIN AND MICROBIOLOGICAL METHODS (Y009637)*; 12 MONTHS $8,690

FRANKLIN INSTITUTE-BARTOL RESEARCH FOUNDATION

KENT JR, DONALD W; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009851)*; 11 MONTHS $10,510

PENNSYLVANIA STATE UNIVERSITY-BEHREND CAMPUS

OKELLY, WILLIAM A; *STREAM ORGANISMS AND THEIR RESPONSES TO ENVIRONMENTAL CHANGE (Y009621)*; 12 MONTHS $10,630

RHODE ISLAND

NONE; *OTHER PROGRAM AWARDS (01AWDS)*; $2,075

BROWN UNIVERSITY

CARSON, STEVEN R; *EFFECTS OF POLLUTION ON BIOLOGICAL AND PHYSICAL PARAMETERS OF MOUNT HOPE BAY (Y009606)*; 12 MONTHS $19,140

COLE, ROBERT H; *FEASIBILITY STUDY OF FLYWHEEL URBAN VEHICLE (Y009676)*; 12 MONTHS $16,590

ENGEN, TRYGG; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009785)*, 11 MONTHS $16,060

CLAPP, LEALLYN B; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009830)*; 11 MONTHS $18,740

PROVIDENCE COLLEGE

GALKOWSKI, THEODORE T; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009798)*; 11 MONTHS $9,770

UNIVERSITY OF RHODE ISLAND

POLK, CHARLES; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009991)*; 11 MONTHS $13,540

SOUTH CAROLINA

CLEMSON UNIVERSITY

SNIDER, ERIC H; *WATER POLLUTION IN THE CHATTOOGA AND TUGALOO RIVERS (Y00965[illegible])*, 12 MONTHS $11,170

FURMAN UNIVERSITY

ARRINGTON JR, CHARLES A; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009787)*; 11 MONTHS $8,530

STRATTON, LEWIS P; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009820)*, 11 MONTHS $7,520

BRANTLEY, WILLIAM [illegible]; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009997)*; 11 MONTHS $7,600

UNIVERSITY OF SOUTH CAROLINA

WOODWARD JR, E C; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009860)*; 11 MONTHS $6,420

UNIVERSITY OF GEORGIA-SAVANNAH RIVER ECOLOGY LABORATORY

GIBBONS, J WHITFIELD; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009838)*; 11 MONTHS $1[illegible],820

SOUTH DAKOTA

AUGUSTANA COLLEGE

PRESCOTT, LANSING M; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009992)*; 11 MONTHS $9,210

SIOUX FALLS COLLEGE

GIBSON, JERRY D; *CHEMICAL, BIOLOGICAL, AND SOCIOLOGICAL ANALYSES OF THE BIG SIOUX RIVER SYSTEM (Y009640)*; 12 MONTHS $16,380

UNIVERSITY OF SOUTH DAKOTA

DICKHAUT, STEVEN C; *MERCURY CONTAMINANTS IN PEOPLE AND FOOD SUPPLIES IN SOUTH DAKOTA (Y009670)*; 12 MONTHS $11,180

TENNESSEE

FISK UNIVERSITY

JACKSON, EDWARD; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009905)*; 11 MONTHS $18,430

OAK RIDGE ASSOCIATED UNIVERSITIES

KYKER, GRANVIL C; *UNDERGRADUATE RESEARCH PARTICIPATION (AG00357)*; 11 MONTHS $12,550

SOUTHWESTERN AT MEMPHIS

ELLSWORTH, DANIEL LLOYD; *THE UPTAKE OF MERCURY BY LIVING SYSTEMS AND ITS EFFECTS ON THEM (Y009608)*; 12 MONTHS $15,400

MORTIMER, ROBERT G; *UNDERGRADUATE RESEARCH PARTICIPATION (Y010013)*; 11 MONTHS $5,400

TENNESSEE TECHNOLOGICAL UNIVERSITY

SISSOM, LEIGHTON E; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009993)*; 11 MONTHS $17,870

UNIVERSITY OF TENNESSEE, KNOXVILLE

GRAVES, RONALD LEE; *FEASIBILITY OF AMMONIA AS AN INTERNAL COMBUSTION FUEL (Y009692)*; 12 MONTHS $6,410

SNYDER, W T; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009994)*, 11 MONTHS $5,280

JONES, ARTHUR W; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009995)*; 11 MONTHS $18,520

VANDERBILT UNIVERSITY

HENDERSHOT, GERRY E; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009796)*; 11 MONTHS $13,490

THUNE, LELAND E; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009854)*; 11 MONTHS $12,830

TEXAS

ABILENE CHRISTIAN COLLEGE

DAVIS, ALVIE L; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009746)*; 11 MONTHS $4,900

AUSTIN COLLEGE

SNIDER, ROBERT L; *IMPACT OF INTERACTIVE TELEVISION ON THE RACIAL ATTITUDES OF SIXTH GRADE STUDENTS (Y009583)*; 12 MONTHS $17,850

NORTH TEXAS STATE UNIVERSITY

SYBERT, J R; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009996)*; 11 MONTHS $9,560

RICE UNIVERSITY

GLASS, G P; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009876)*; 11 MONTHS $10,740

SAM HOUSTON STATE UNIVERSITY

MCCARLEY, G SCOTT; *STUDENT-ORIGINATED STUDIES (Y009569)*; 12 MONTHS $12,730

TEXAS TECH UNIVERSITY

SMYTH, THOMAS JOT; *SOIL ADSORPTION AND FEEDLOT EFFLUENT QUALITY ON THE TEXAS HIGH PLAINS (Y009599)*, 12 MONTHS $13,730

KRISTIANSEN, MAGNE; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009998)*; 11 MONTHS $14,360

TRINITY UNIVERSITY

PLUMMER, B F; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009786)*; 11 MONTHS $8,660

UNIV OF TEXAS AT AUSTIN

WADE, CHARLES G; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009807)*; 11 MONTHS $19,960

UNIVERSITY OF HOUSTON

BAILEY, JAMES E; *UNDERGRADUATE RESEARCH PARTICIPATION (Y010010)*; 1[illegible] MONTHS $10,300

UTAH

BRIGHAM YOUNG UNIVERSITY

KUNZ, PHILLIP R; *UNDERGRADUATE RESEARCH PARTICIPATION (Y009897)*, 11 MONTHS $20,240

UNIVERSITY OF UTAH

MARCHANT, BRUCE D; *FOAM GLASS INSULATION FROM WASTE GLASS (Y009641)*, 12 MONTHS $9,760

WEBER STATE COLLEGE

SHIOZAWA, DENNIS KENJI; *INFLUENCES OF BRINE FLY CONTROL PROGRAMS ON ECOSYSTEMS OF GREAT SALT LAKE* (*Y009591*); 12 MONTHS $9,300

VERMONT

MIDDLEBURY COLLEGE

LEDLIE, DAVID B; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009840*); 11 MONTHS $11,040

UNIVERSITY OF VERMONT

SAXBY, WILLIAM R; *EFFECTS OF TETRAHYDROCANNABINOL ON BEHAVIOR AND BRAIN FUNCTION* (*Y009682*); 12 MONTHS $15,570

KUEHNE, MARTIN; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009999*); 11 MONTHS $11,580

VIRGINIA

COLLEGE OF WILLIAM AND MARY

GOODWIN, BRUCE K; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010015*); 11 MONTHS $6,800

HAMPDEN-SYDNEY COLLEGE

SIPE JR, HERBERT J; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009812*); 11 MONTHS $6,900

KIESS, EDWARD M; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009836*); 11 MONTHS $2,120

HOLLINS COLLEGE

FLORY, RANDALL K; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010000*); 11 MONTHS $7,200

UNIVERSITY OF VIRGINIA

LOVELACE, EUGENE A; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009862*); 11 MONTHS $12,610

VIRGINIA COMMONWEALTH UNIVERSITY

TAYLOR, DAVID G; *INTERACTIONS OF NITRILOTRIACETIC ACID AND METAL IONS IN NATURAL WATERS* (*Y009610*); 12 MONTHS $21,390

VIRGINIA POLYTECHNIC INSTITUTE

STEIGERWALD, JOHN; *CHILDREN'S RESPONSES TO ENVIRONMENTAL SPACES* (*Y009570*); 12 MONTHS $9,580

HAWTHORNE, JOHN JULIAN; *EFFECTS OF CHEMICAL AND BIOLOGICAL POLLUTANTS ON THE ECOLOGY OF A STREAM* (*Y009597*); 12 MONTHS $9,500

COMPARIN, ROBERT A; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010001*); 11 MONTHS $10,920

WASHINGTON AND LEE UNIVERSITY

WISE, JOHN H; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009780*); 11 MONTHS $7,130

WASHINGTON

EVERGREEN STATE COLLEGE

KORMONDY, EDWARD J; *RESEARCH ON THE HOOD CANAL* (*Y009342*); 10 MONTHS $4,908

FOUNDATION FOR GLACIER AND ENVIRONMENTAL RES

MILLER, MAYNARD M; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009813*); 11 MONTHS $19,480

UNIVERSITY OF WASHINGTON

COPMIS, JOHN G; *WATERSHED ECOLOGY (PHASE II) OF COAL AND KELSEY CREEKS, WASHINGTON* (*Y009631*); 12 MONTHS $18,590

NEILSON, WENDEL L; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009832*); 11 MONTHS $15,000

WASHINGTON STATE UNIVERSITY

COLLINS JR, RALPH W; *MULTIPLE LAND USE PRIORITY-PLANNING FOR LATAH COUNTY, IDAHO* (*Y009589*); 12 MONTHS $12,180

GARLAND, JOHN K; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009740*); 11 MONTHS $13,530

WEST VIRGINIA

WEST VIRGINIA STATE COLLEGE

ADAMS, ALAN M; *EFFECTS ON ANIMAL LIFE OF SULFUR AND SELENIUM DIOXIDES* (*Y009680*); 12 MONTHS $20,160

WEST VIRGINIA UNIVERSITY

KREINIK, DOUGLAS; *A STUDY OF AN ACOUSTICAL SLUM CORRIDOR* (*Y009633*); 12 MONTHS $18,910

BLACKSHAW, G LANSING; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y01000[illegible]*); 11 MONTHS $8,330

WHEELING COLLEGE

LOWER, CHARLES J; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010003*); 11 MONTHS $5,020

WISCONSIN

BELOIT COLLEGE

STENSTROM, RICHARD C; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009737*); 11 MONTHS $3,530

DOBSON, DAVID A; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010004*); 11 MONTHS $5,610

CARROLL COLLEGE

GOUGH, STEPHEN B; *POLLUTION CONTROL OF FARM FEEDLOT RUNOFF THROUGH SOIL PERCOLATION* (*Y009560*); 12 MONTHS $11,340

MARQUETTE UNIVERSITY

HARSH, HAROLD; *POLLUTION PARAMETERS OF THE MILWAUKEE-MENOMONEE RIVER SYSTEM* (*Y009562*); 12 MONTHS $21,060

RIPON COLLEGE

LITTON JR, JAMES R; *EUTROPHICATION OF GREEN LAKE AND LAKE WINNEBAGO* (*Y009650*); 12 MONTHS $20,640

STOUT STATE UNIVERSITY

BURWELL, MARK; *COMPARATIVE ENVIRONMENTS OF TWO NORTHWESTERN WISCONSIN RIVERS* (*Y009665*); 12 MONTHS $9,490

UNIVERSITY OF WISCONSIN, GREEN BAY

WARPINSKI, JAMES R; *AIR POLLUTION AND COMMUNITY HEALTH* (*Y009615*); 12 MONTHS $9,930

UNIVERSITY OF WISCONSIN, MADISON

PRATT, LESLIE; *EFFECTS OF COOLING WATER DISCHARGE ON THE AQUATIC COMMUNITY IN LAKE MONONA* (*Y009618*); 12 MONTHS $10,540

NEALIS, PERRY M; *EFFECTS OF NOISE ON SOCIAL BEHAVIOR AND CORTICO STERONE LEVELS IN MONKEYS* (*Y009634*); 12 MONTHS $16,180

CROWE, D W; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009906*); 11 MONTHS $14,400

UNIVERSITY OF WISCONSIN, MILWAUKEE

HUBER, CALVIN O; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009842*); 11 MONTHS $14,300

CHANG, Y AUSTIN; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010005*); 11 MONTHS $5,730

WEISE, CHARLES M; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010028*); 11 MONTHS $9,310

WISCONSIN STATE UNIVERSITY, STEVENS POINT

SCHMIDT, STEVEN D; *WATER QUALITY AND RECREATION IN LAKE DUBAY AND BIG EAU PLAINE RESERVIOR* (*Y009561*); 12 MONTHS $16,000

WISCONSIN STATE UNIVERSITY, SUPERIOR

BAHNICK, DONALD A; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y010006*); 11 MONTHS $7,230

WYOMING

UNIVERSITY OF WYOMING

DEBOER, ANDREW; *UNDERGRADUATE RESEARCH PARTICIPATION* (*Y009909*); 11 MONTHS $6,300

GRADUATE LEVEL

ALABAMA

AUBURN UNIVERSITY

PARKER, W V; *GRADUATE TRAINEESHIPS* (*Z002301*); 18 MONTHS $35,250

UNIVERSITY OF ALABAMA, TUSCALOOSA

SCOTT, CHARLEY; *GRADUATE TRAINEESHIPS* (*Z002302*); 18 MONTHS $17,625

ALASKA

UNIVERSITY OF ALASKA

RAE, K M; *GRADUATE TRAINEESHIPS* (*Z002303*); 18 MONTHS $5,875

ARIZONA

ARIZONA STATE UNIVERSITY

BURKE, W J; *GRADUATE TRAINEESHIPS* (*Z001536 002*); $8,019

BURKE, W J; *GRADUATE TRAINEESHIPS* (*Z002304*); 18 MONTHS $58,750

UNIVERSITY OF ARIZONA

BONNEVILLE, FRANK A; *GRADUATE TRAINEESHIPS* (*Z001537 002*); $6,296

BONNEVILLE, FRANK A; *GRADUATE TRAINEESHIPS* (*Z002305*); 18 MONTHS $59,875

ARKANSAS

UNIVERSITY OF ARKANSAS

HARVEY, AUBREY E; *GRADUATE TRAINEESHIPS* (*Z002306*); 18 MONTHS $17,625

CALIFORNIA

CALIFORNIA INSTITUTE OF TECHNOLOGY

PINGS, C J; *GRADUATE TRAINEESHIPS (Z002307)*; 18 MONTHS $141,000

CLAREMONT GRADUATE SCHOOL

RICE, PHILIP M; *GRADUATE TRAINEESHIPS (Z002308)*; 18 MONTHS $11,750

LOMA LINDA UNIVERSITY

STAUFFER, J PAUL; *GRADUATE TRAINEESHIPS (Z001541 001)*; $240

STAUFFER, J PAUL; *GRADUATE TRAINEESHIPS (Z002309)*; 18 MONTHS $5,875

STANFORD UNIVERSITY

MOSES, LINCOLN E; *GRADUATE TRAINEESHIPS (Z002310)*; 18 MONTHS $258,500

UNITED STATES INTERNATIONAL UNIVERSITY

RUCKER, W RAY; *GRADUATE TRAINEESHIPS (Z002311)*; 18 MONTHS $5,875

UNIVERSITY OF CALIFORNIA, BERKELEY

PORTIS, ALAN M; *CENTER OF EXCELLENCE IN SCIENCE EDUCATION (W006812*)*; 14 MONTHS $20,000

ELBERG, SANFORD S; *GRADUATE TRAINEESHIPS (Z002312)*; 18 MONTHS $282,000

UNIVERSITY OF CALIFORNIA, DAVIS

MARR, ALLEN G; *GRADUATE TRAINEESHIPS (Z002313)*; 18 MONTHS $76,375

UNIVERSITY OF CALIFORNIA, IRVINE

LENHOFF, H M; *GRADUATE TRAINEESHIPS (Z002314)*; 18 MONTHS $29,375

UNIVERSITY OF CALIFORNIA, LOS ANGELES

CARLISLE, DONALD; *GRADUATE TRAINEESHIPS (Z002315)*; 18 MONTHS $158,625

UNIVERSITY OF CALIFORNIA, RIVERSIDE

HEWITT, ROBERT R; *GRADUATE TRAINEESHIPS (Z001548 002)*; $1,682

HEWITT, ROBERT R; *GRADUATE TRAINEESHIPS (Z002316)*; 18 MONTHS $52,875

UNIVERSITY OF CALIFORNIA, SAN DIEGO

PEARCE, ROY HARVEY; *GRADUATE TRAINEESHIPS (Z002317)*; 18 MONTHS $58,750

UNIVERSITY OF CALIFORNIA, SAN FRANCISCO

HARPER, HAROLD A; *GRADUATE TRAINEESHIPS (Z002318)*; 18 MONTHS $5,875

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

COLLINS, ROBERT O; *GRADUATE TRAINEESHIPS (Z002319)*; 18 MONTHS $47,000

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

WILLIAMSON, STANLEY M; *GRADUATE TRAINEESHIPS (Z002320)*; 18 MONTHS $5,875

UNIVERSITY OF SANTA CLARA

PARDEN, ROBERT J; *GRADUATE TRAINEESHIPS (Z002322)*; 18 MONTHS $5,875

UNIVERSITY OF SOUTHERN CALIFORNIA

MAYO, CHARLES G; *GRADUATE TRAINEESHIPS (Z002323)*; 18 MONTHS $82,250

UNIVERSITY OF THE PACIFIC

SHAO, OTIS H; *GRADUATE TRAINEESHIPS (Z001553 001)*; $685

CARLTON, PATRICK W; *GRADUATE TRAINEESHIPS (Z002321)*; 18 MONTHS $5,875

COLORADO

COLORADO SCHOOL OF MINES

JORDAN, A RAYMOND; *GRADUATE TRAINEESHIPS (Z001556 001)*; $276

JORDAN, A RAYMOND; *GRADUATE TRAINEESHIPS (Z002324)*; 18 MONTHS $11,750

COLORADO STATE UNIVERSITY

BRAGONIER, WENDELL H; *GRADUATE TRAINEESHIPS (Z001557 002)*; $2,411

BRAGONIER, WENDELL H; *GRADUATE TRAINEESHIPS (Z002325)*; 18 MONTHS $58,750

UNIVERSITY OF COLORADO

LOVE, WILLIAM F; *GRADUATE TRAINEESHIPS (Z002326)*; 18 MONTHS $105,750

UNIVERSITY OF DENVER

EVERS, NATHANIEL H; *GRADUATE TRAINEESHIPS (Z002327)*; 18 MONTHS $11,750

WESTERN INTERSTATE COMM FOR HIGHER EDUCATION

HULLINGHORST, ROBERT S; *RESOURCES DEVELOPMENT INTERNSHIP PROGRAM (Y009332*)*; 16 MONTHS $8,935

CONNECTICUT

UNIVERSITY OF CONNECTICUT

MALONE, THOMAS F; *GRADUATE TRAINEESHIPS (Z002328)*; 18 MONTHS $58,750

WESLEYAN UNIVERSITY

KERR, WILLIAM; *GRADUATE TRAINEESHIPS (Z001561 001)*; $334

KERR, WILLIAM; *GRADUATE TRAINEESHIPS (Z002329)*; 18 MONTHS $17,625

YALE UNIVERSITY

JUSTUSSON, J WILLIAM; *GRADUATE TRAINEESHIPS (Z002330)*; 18 MONTHS $123,375

DELAWARE

UNIVERSITY OF DELAWARE

BERGELIN, O P; *GRADUATE TRAINEESHIPS (Z002331)*; 18 MONTHS $58,750

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS (13AWDS)*; $21,458

AMERICAN UNIVERSITY

JOHNSON, JIMMY; *CONFERENCE ON THE IMPROVEMENT OF THE CAPABILITIES OF SMALL RESEARCH AND DEVELOPMENT FIRMS IN A DECLINING R & D ENVIRONMENT (R032537)*; 12 MONTHS $23,200

BOYNTON, ROBERT P; *GRADUATE TRAINEESHIPS (Z001564 001)*; $1,135

BOYNTON, ROBERT P; *GRADUATE TRAINEESHIPS (Z002332)*; 18 MONTHS $11,750

CATHOLIC UNIVERSITY OF AMERICA

OCONNOR, J P; *GRADUATE TRAINEESHIPS (Z002333)*; 18 MONTHS $47,000

EXOTECH SYSTEMS INC

EHRMAN, LIBERT; *TASK ORDER FOR PROCESSING FY 1971 TRAINEE PERSONAL DATA FORMS (C433018)*; 10 MONTHS $10,338

GEORGE WASHINGTON UNIVERSITY

BURNS, ARTHUR E; *GRADUATE TRAINEESHIPS (Z001566 002)*; $2,440

BURNS, ARTHUR E; *GRADUATE TRAINEESHIPS (Z002334)*; 18 MONTHS $35,250

GEORGETOWN UNIVERSITY

PORRECO, ROCCO E; *GRADUATE TRAINEESHIPS (Z001567 002)*; $1,175

PORRECO, ROCCO E; *GRADUATE TRAINEESHIPS (Z002335)*; 18 MONTHS $35,250

HOWARD UNIVERSITY

MILLER, CARROLL L; *GRADUATE TRAINEESHIPS (Z001568 001)*; $1,168

MILLER, CARROLL L; *GRADUATE TRAINEESHIPS (Z002336)*; 18 MONTHS $11,750

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

HALL, WAYNE C; *CONT/EVAL PROC DATA PROC&CODING F CERTAIN NATL SCI FUNDATN FELLSHP PROG (C310104 007)*; 12 MONTHS $342,304

FLORIDA

FLORIDA STATE UNIVERSITY

LEWIS, THOMAS R; *GRADUATE TRAINEESHIPS (Z002337)*; 18 MONTHS $76,375

NOVA UNIVERSITY

SCIGLIANO, JOHN A; *GRADUATE TRAINEESHIPS (Z002338)*; 18 MONTHS $5,875

UNIVERSITY OF FLORIDA

SMITH, ALEX G; *GRADUATE TRAINEESHIPS (Z002339)*; 18 MONTHS $88,125

UNIVERSITY OF MIAMI

HARRISON, JOHN A; *GRADUATE TRAINEESHIPS (Z002340)*; 18 MONTHS $35,250

UNIVERSITY OF SOUTH FLORIDA

BRIGGS, JOHN C; *GRADUATE TRAINEESHIPS (Z001573 001)*; $578

ELLIS JR, R W; *GRADUATE TRAINEESHIPS (Z002341)*; 18 MONTHS $5,875

GEORGIA

ATLANTA UNIVERSITY

JARRETT, THOMAS D; *GRADUATE TRAINEESHIPS (Z001574 001)*; $2,042

JARRETT, THOMAS D; *GRADUATE TRAINEESHIPS (Z002342)*; 18 MONTHS $5,875

EMORY UNIVERSITY

LESTER, CHARLES T; *EXPERIMENTAL PLANNING-RETRAINING PROJECT FOR THE REORIENTATION OF SCIENTISTS AND TECHNOLOGISTS (Z002254 001*)*; 6 MONTHS $75,540

LESTER, CHARLES T; *GRADUATE TRAINEESHIPS (Z002343)*; 18 MONTHS $29,375

GEORGIA INSTITUTE OF TECHNOLOGY

WEBB, SAM C; *GRADUATE TRAINEESHIPS (Z001576 002)*; $4,780

RAY, DALE C; *GRADUATE TRAINEESHIPS (Z002344)*; 18 MONTHS $94,000

GEORGIA STATE UNIVERSITY

AH[illegible], DONALD G; *GRADUATE TRAINEESHIPS (Z002345)*; 18 MONTHS $5,875

MEDICAL COLLEGE OF GEORGIA

BARD, RAYMOND C; *GRADUATE TRAINEESHIPS (Z002346)*; 18 MONTHS $5,875

UNIVERSITY OF GEORGIA

WHITEHEAD, T H; *GRADUATE TRAINEESHIPS (Z002347)*; 18 MONTHS $52,875

HAWAII

UNIVERSITY OF HAWAII

ROSENBERG, MORTON M; *GRADUATE TRAINEESHIPS (Z001580 002)*; $4,369

ROSENBERG, MORTON M; *GRADUATE TRAINEESHIPS (Z002348)*; 18 MONTHS $47,000

IDAHO

UNIVERSITY OF IDAHO

STARK, RONALD W; *GRADUATE TRAINEESHIPS (Z001581 001)*; $6,223

STARK, R W; *GRADUATE TRAINEESHIPS (Z002349)*; 18 MONTHS $17,625

ILLINOIS

DEPAUL UNIVERSITY

CORTELYOU, WILLIAM T; *GRADUATE TRAINEESHIPS (Z002350)*; 18 MONTHS $5,875

ILLINOIS INSTITUTE OF TECHNOLOGY

GURALNICK, S A; *GRADUATE TRAINEESHIPS (Z002351)*; 18 MONTHS $70,500

ILLINOIS STATE UNIVERSITY

HELGESON, ARLAN C; *GRADUATE TRAINEESHIPS (Z002352)*; 18 MONTHS $11,750

LOYOLA UNIVERSITY

MARIELLA, RAYMOND P; *GRADUATE TRAINEESHIPS (Z002353)*; 18 MONTHS $11,750

NORTHERN ILLINOIS UNIVERSITY

MCILRATH, WAYNE J; *GRADUATE TRAINEESHIPS (Z002354)*; 18 MONTHS $11,750

NORTHWESTERN UNIVERSITY

BAKER, ROBERT H; *GRADUATE TRAINEESHIPS (Z001587 001)*; $2,323

BAKER, ROBERT H; *GRADUATE TRAINEESHIPS (Z002355)*; 18 MONTHS $152,750

SOUTHERN ILLINOIS UNIVERSITY - CARBONDALE

OLMSTED, JOHN M H; *GRADUATE TRAINEESHIPS (Z001588 002)*; $5,000

OLMSTED, JOHN M H; *GRADUATE TRAINEESHIPS (Z002356)*; 8 MONTHS $35,250

UNIVERSITY OF CHICAGO

OCONNELL, CHARLES D; *GRADUATE TRAINEESHIPS (Z002357)*; 18 MONTHS $117,500

UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE

OTTING, W J; *GRADUATE TRAINEESHIPS (Z002358)*; 18 MONTHS $5,875

UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER

DANIELS, RALPH; *GRADUATE TRAINEESHIPS (Z002359)*; 18 MONTHS $5,875

UNIVERSITY OF ILLINOIS AT URBANA

CLARK, ROGER G; *GRADUATE TRAINEESHIPS (Z002360)*; 18 MONTHS $258,500

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

LUDLOW, H GLENN; *GRADUATE TRAINEESHIPS (Z001593 002)*; $291

LUDLOW, H GLENN; *GRADUATE TRAINEESHIPS (Z002361)*; 18 MONTHS $105,750

PURDUE UNIVERSITY

GIBBENS, VICTOR E; *GRADUATE TRAINEESHIPS (Z001594 002)*; $6,840

GIBBENS, VICTOR E; *GRADUATE TRAINEESHIPS (Z002362)*; 18 MONTHS $229,125

UNIVERSITY OF NOTRE DAME

BOTZUM, W A; *GRADUATE TRAINEESHIPS (Z001595 001)*; $2,029

BOTZUM, REV W A; *GRADUATE TRAINEESHIPS (Z002363)*; 18 MONTHS $70,500

IOWA

IOWA STATE UNIVERSITY OF SCIENCE & TECHNOLOGY

ZAFFARANO, D J; *GRADUATE TRAINEESHIPS (Z002364)*; 18 MONTHS $99,875

UNIVERSITY OF IOWA

SPRIESTERSBACH, D C; *GRADUATE TRAINEESHIPS (Z001597 002)*; $4,808

SPRIESTERSBACH, D C; *GRADUATE TRAINEESHIPS (Z002365)*; 18 MONTHS $76,375

KANSAS

KANSAS STATE UNIVERSITY

NOONAN, JOHN P; *GRADUATE TRAINEESHIPS (Z002366)*; 18 MONTHS $58,750

UNIVERSITY OF KANSAS

ELLERMEIER, ROBERT D; *GRADUATE TRAINEESHIPS (Z002367)*; 18 MONTHS $64,625

KENTUCKY

UNIVERSITY OF KENTUCKY

CABE, CARL; *GRADUATE TRAINEESHIPS (Z001600 002)*; $6,692

CABE, J CARL; *GRADUATE TRAINEESHIPS (Z002368)*; 18 MONTHS $47,000

UNIVERSITY OF LOUISVILLE

ACOATES, GLYNN D; *GRADUATE TRAINEESHIPS (Z001601 001)*; $708

COATES, GLYNN D; *GRADUATE TRAINEESHIPS (Z002369)*; 18 MONTHS $17,625

LOUISIANA

LOUISIANA STATE UNIVERSITY MED CTR NEW ORLEANS

COULSON, ROLAND A; *GRADUATE TRAINEESHIPS (Z002372)*; 18 MONTHS $5,875

LOUISIANA STATE UNIVERSITY, BATON ROUGE

GOODRICH, MAX; *GRADUATE TRAINEESHIPS (Z001603 002)*; $2,680

GOODRICH, MAX; *GRADUATE TRAINEESHIPS (Z002371)*; 18 MONTHS $58,750

LOUISIANA STATE UNIVERSITY, NEW ORLEANS

BOBO, JAMES R; *GRADUATE TRAINEESHIPS (Z001605 001)*; $331

BOBO, JAMES R; *GRADUATE TRAINEESHIPS (Z002373)*; 18 MONTHS $5,875

LOUISIANA TECH UNIVERSITY

HESTER, JAMES L; *GRADUATE TRAINEESHIPS (Z001602 001)*; $965

HESTER, JAMES L; *GRADUATE TRAINEESHIPS (Z002370)*; 18 MONTHS $5,875

LOYOLA UNIVERSITY

DIMAGGIO III, ANTHONY; *GRADUATE TRAINEESHIPS (Z002374)*; 18 MONTHS $5,875

TULANE UNIVERSITY

DEENER, DAVID R; *GRADUATE TRAINEESHIPS (Z002375)*; 18 MONTHS $47,000

MAINE

UNIVERSITY OF MAINE, ORONO

EGGERT, FRANKLIN P; *GRADUATE TRAINEESHIPS (Z002376)*; 18 MONTHS $11,750

MARYLAND

NONE; *OTHER PROGRAM AWARDS (07AWDS)*; $5,372

JOHNS HOPKINS UNIVERSITY

JOHNSON, KENNETH E; *GRADUATE TRAINEESHIPS (Z002377)*; 18 MONTHS $88,125

UNIVERSITY OF MARYLAND, COLLEGE PARK

JR, MICHAEL J PELCZAR; *GRADUATE TRAINEESHIPS (Z002378)*; 18 MONTHS $70,500

MASSACHUSETTS

BOSTON COLLEGE

FEENEY, WALTER J; *GRADUATE TRAINEESHIPS (Z002379)*; 18 MONTHS $17,625

BOSTON UNIVERSITY

KUBZANSKY, PHILIP E; *GRADUATE TRAINEESHIPS (Z002380)*; 18 MONTHS $29,375

BRANDEIS UNIVERSITY

BLACK, EUGENE C; *GRADUATE TRAINEESHIPS (Z002381)*; 18 MONTHS $41,125

CLARK UNIVERSITY

AHMADJIAN, VERNON; *GRADUATE TRAINEESHIPS (Z001614 001)*; $240

AHMADGIAN, VERNON; *GRADUATE TRAINEESHIPS (Z002382)*; 18 MONTHS $17,625

HARVARD UNIVERSITY

SISSON, THOMAS K; *GRADUATE TRAINEESHIPS (Z002383)*; 18 MONTHS $105,750

LOWELL TECHNOLOGICAL INSTITUTE

ALEXANDER, EDWARD L, *GRADUATE TRAINEESHIPS (Z001616 001)*; $672

ALEXANDER, EDWARD L; *GRADUATE TRAINEESHIPS (Z002023 001)*; $915

ALEXANDER, EDWARD L; *GRADUATE TRAINEESHIPS (Z002384)*; 18 MONTHS $5,875

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

STONE, RONALD S; *GRADUATE TRAINEESHIPS (Z002385)*; 18 MONTHS $287,875

NORTHEASTERN UNIVERSITY

ESSIGMANN, MARTIN W; *GRADUATE TRAINEESHIPS (Z002386)*; 18 MONTHS $47,000

TUFTS UNIVERSITY

MCCARTHY, KATHRYN A; *GRADUATE TRAINEESHIPS (Z002387)*; 18 MONTHS $29,375

UNIVERSITY OF MASSACHUSETTS, AMHERST

GENTILE, ARTHUR C; *GRADUATE TRAINEESHIPS (Z001620 002)*; $2,140

GENTILE, ARTHUR C; *GRADUATE TRAINEESHIPS (Z002388)*; 18 MONTHS $58,750

WORCESTER POLYTECHNIC INSTITUTE

SHIPMAN, C W; *GRADUATE TRAINEESHIPS (Z002389)*; 18 MONTHS $5,875

MICHIGAN

MICHIGAN STATE UNIVERSITY

MINKEL, C W; *GRADUATE TRAINEESHIPS (Z002390)*; 18 MONTHS $141,000

MICHIGAN TECHNOLOGICAL UNIVERSITY

YERG, DONALD G; *GRADUATE TRAINEESHIPS (Z001623 001)*; $3,833

YERG, DONALD G; *GRADUATE TRAINEESHIPS (Z002391)*; 18 MONTHS $17,625

UNIVERSITY OF DETROIT

MEHLENBACHER, LYLE E; *GRADUATE TRAINEESHIPS (Z002392)*; 18 MONTHS $11,750

UNIVERSITY OF MICHIGAN

HAY, G E; *GRADUATE TRAINEESHIPS (Z002393)*; 18 MONTHS $270,250

WAYNE STATE UNIVERSITY

BURNHAM, FREDERIC B; *GRADUATE TRAINEESHIPS (Z002394)*; 18 MONTHS $58,750

WESTERN MICHIGAN UNIVERSITY

MALLINSON, GEORGE G; *GRADUATE TRAINEESHIPS (Z002[illegible])*; 18 MONTHS $5,875

MINNESOTA

UNIVERSITY OF MINNESOTA

CRAWFORD JR, BRYCE; *GRADUATE TRAINEESHIPS (Z002396)*; 18 MONTHS $164,500

MISSISSIPPI

MISSISSIPPI STATE UNIVERSITY

LOFTON, MARION T; *GRADUATE TRAINEESHIPS (Z001629 001)*; $28

LOFTIN, MARION T; *GRADUATE TRAINEESHIPS (Z002397)*; 18 MONTHS $17,625

UNIVERSITY OF MISSISSIPPI

SAM, JOSEPH; *GRADUATE TRAINEESHIPS (Z001630 001)*; $3,727

SAM, JOSEPH; *GRADUATE TRAINEESHIPS (Z002398)*; 18 MONTHS $17,625

UNIVERSITY OF SOUTHERN MISSISSIPPI

VAN ALLER, ROBERT T; *GRADUATE TRAINEESHIPS (Z001631 001)*; $2,300

VAN ALLER, R T; *GRADUATE TRAINEESHIPS (Z002399)*; 18 MONTHS $5,875

MISSOURI

ST LOUIS UNIVERSITY

BRENNAN, FRANCIS C (REV); *GRADUATE TRAINEESHIPS (Z001632 001)*; $908

BRENNAN, F C; *GRADUATE TRAINEESHIPS (Z002400)*; 18 MONTHS $17,625

UNIVERSITY OF MISSOURI, COLUMBIA

ANDERSON, DONALD K JR; *GRADUATE TRAINEESHIPS (Z001633 002)*; $3,945

ANDERSON JR, D K; *GRADUATE TRAINEESHIPS (Z002401)*; 18 MONTHS $88,125

UNIVERSITY OF MISSOURI, KANSAS CITY

DALE, WESLEY J; *GRADUATE TRAINEESHIPS (Z001634 001)*; $1,771

DALE, WESLEY J; *GRADUATE TRAINEESHIPS (Z002402)*; 18 MONTHS $5,875

UNIVERSITY OF MISSOURI, ROLLA

MCFARLAND, ROBERT H; *GRADUATE TRAINEESHIPS (Z001635 002)*; $10,231

MCFARLAND, ROBERT H; *GRADUATE TRAINEESHIPS (Z002403)*; 18 MONTHS $41,125

WASHINGTON UNIVERSITY

MORROW, RALPH E; *GRADUATE TRAINEESHIPS (Z001636 002)*; $4,231

MORROW, RALPH E; *GRADUATE TRAINEESHIPS (Z002404)*; 18 MONTHS $88,125

MONTANA

MONTANA STATE UNIVERSITY

GOERING, KENNETH J; *GRADUATE TRAINEESHIPS (Z001637 002)*; $4,667

GOERING, K J; *GRADUATE TRAINEESHIPS (Z002405)*; 18 MONTHS $35,250

UNIVERSITY OF MONTANA

STEWART, JOHN M; *GRADUATE TRAINEESHIPS (Z001638 001)*; $734

STEWART, JOHN M; *GRADUATE TRAINEESHIPS (Z002406)*; 18 MONTHS $5,875

NEBRASKA

UNIVERSITY OF NEBRASKA AT LINCOLN

DREW, JAMES V; *GRADUATE TRAINEESHIPS (Z002407)*; 18 MONTHS $41,125

NEVADA

UNIVERSITY OF NEVADA, RENO

O'BRIEN, T D; *GRADUATE TRAINEESHIPS (Z001640 001)*; $2,530

OBRIEN, T D; *GRADUATE TRAINEESHIPS (Z002408)*; 18 MONTHS $11,750

NEW HAMPSHIRE

DARTMOUTH COLLEGE

HORNIG, JAMES F; *GRADUATE TRAINEESHIPS (Z001641 001)*; $1,161

HORNIG, JAMES F; *GRADUATE TRAINEESHIPS (Z002409)*; 18 MONTHS $17,625

UNIVERSITY OF NEW HAMPSHIRE, DURHAM

DREW, WILLIAM H; *GRADUATE TRAINEESHIPS (Z002410)*; 18 MONTHS $35,250

NEW JERSEY

EDUCATIONAL TESTING SERVICE

WILTSEY, ROBERT G; *TESTING PROGRAM FOR FY-1973 GRADUATE FELLOWSHIP APPLICANTS (C626000 002)*; 12 MONTHS $28,855

NEWARK COLLEGE OF ENGINEERING

BEDROSIAN, ALEX; *GRADUATE TRAINEESHIPS (Z002411)*; 18 MONTHS $5,875

PRINCETON UNIVERSITY

EDENFIELD, EDWARD J; *GRADUATE TRAINEESHIPS (Z001644 001)*; $3,315

EDENFIELD, EDWARD J; *GRADUATE TRAINEESHIPS (Z002412)*; 18 MONTHS $117,500

RUTGERS UNIVERSITY

TORREY, HENRY C; *GRADUATE TRAINEESHIPS (Z002413)*; 18 MONTHS $76,375

SETON HALL UNIVERSITY

CONNOR, JOSEPH G; *GRADUATE TRAINEESHIPS (Z002414)*; 18 MONTHS $5,875

STEVENS INSTITUTE OF TECHNOLOGY

BOOTH, EUGENE T; *GRADUATE TRAINEESHIPS (Z001647 002)*; $1,299

BOOTH, EUGENE T; *GRADUATE TRAINEESHIPS (Z002415)*; 18 MONTHS $41,125

BRANDEIS UNIVERSITY

BLACK, EUGENE C; *GRADUATE TRAINEESHIPS (Z002381)*; 18 MONTHS $41,125

CLARK UNIVERSITY

AHMADJIAN, VERNON; *GRADUATE TRAINEESHIPS (Z001614 001)*; $240
AHMADGIAN, VERNON; *GRADUATE TRAINEESHIPS (Z002382)*; 18 MONTHS $17,625

HARVARD UNIVERSITY

SISSON, THOMAS K; *GRADUATE TRAINEESHIPS (Z002383)*; 18 MONTHS $105,750

LOWELL TECHNOLOGICAL INSTITUTE

ALEXANDER, EDWARD L; *GRADUATE TRAINEESHIPS (Z001616 001)*; $67[illegible]
ALEXANDER, EDWARD L; *GRADUATE TRAINEESHIPS (Z002023 001)*; $915
ALEXANDER, EDWARD L; *GRADUATE TRAINEESHIPS (Z002384)*; 18 MONTHS $5,875

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

STONE, RONALD S; *GRADUATE TRAINEESHIPS (Z002385)*; 18 MONTHS $287,875

NORTHEASTERN UNIVERSITY

ESSIGMANN, MARTIN W; *GRADUATE TRAINEESHIPS (Z002386)*; 18 MONTHS $47,000

TUFTS UNIVERSITY

MCCARTHY, KATHRYN A; *GRADUATE TRAINEESHIPS (Z002387)*; 18 MONTHS $29,375

UNIVERSITY OF MASSACHUSETTS, AMHERST

GENTILE, ARTHUR C; *GRADUATE TRAINEESHIPS (Z001620 002)*; $2,140
GENTILE, ARTHUR C; *GRADUATE TRAINEESHIPS (Z002388)*; 18 MONTHS $58,750

WORCESTER POLYTECHNIC INSTITUTE

SHIPMAN, C W; *GRADUATE TRAINEESHIPS (Z002389)*; 18 MONTHS $5,875

MICHIGAN

MICHIGAN STATE UNIVERSITY

MINKEL, C W;, *GRADUATE TRAINEESHIPS (Z002390)*; 18 MONTHS $141,000

MICHIGAN TECHNOLOGICAL UNIVERSITY

YERG, DONALD G; *GRADUATE TRAINEESHIPS (Z001623 001)*; $3,833
YERG, DONALD G; *GRADUATE TRAINEESHIPS (Z002391)*; 18 MONTHS $17,625

UNIVERSITY OF DETROIT

MEHLENBACHER, LYLE E; *GRADUATE TRAINEESHIPS (Z002392)*; 18 MONTHS $11,750

UNIVERSITY OF MICHIGAN

HAY, G E; *GRADUATE TRAINEESHIPS (Z002393)*; 18 MONTHS $270,250

WAYNE STATE UNIVERSITY

BURNHAM, FREDERIC B; *GRADUATE TRAINEESHIPS (Z002394)*; 18 MONTHS $58,750

WESTERN MICHIGAN UNIVERSITY

MALLINSON, GEORGE G; *GRADUATE TRAINEESHIPS (Z002395)*; 18 MONTHS $5,875

MINNESOTA

UNIVERSITY OF MINNESOTA

CRAWFORD JR, BRYCE; *GRADUATE TRAINEESHIPS (Z002396)*; 18 MONTHS $164,500

MISSISSIPPI

MISSISSIPPI STATE UNIVERSITY

LOFTON, MARION T; *GRADUATE TRAINEESHIPS (Z001629 001)*; $28
LOFTIN, MARION T; *GRADUATE TRAINEESHIPS (Z002397)*; 18 MONTHS $17,625

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SAM, JOSEPH; *GRADUATE TRAINEESHIPS (Z001630 001)*; $3,727
SAM, JOSEPH; *GRADUATE TRAINEESHIPS (Z002398)*; 18 MONTHS $17,625

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VAN ALLER, ROBERT T; *GRADUATE TRAINEESHIPS (Z001631 001)*; $2,300
VAN ALLER, R T; *GRADUATE TRAINEESHIPS (Z002399)*; 18 MONTHS $5,875

MISSOURI

ST LOUIS UNIVERSITY

BRENNAN, FRANCIS C (REV); *GRADUATE TRAINEESHIPS (Z0016[illegible]2 001)*; $908
BRENNAN, F C; *GRADUATE TRAINEESHIPS (Z002400)*; 18 MONTHS $17,625

UNIVERSITY OF MISSOURI, COLUMBIA

ANDERSON, DONALD K JR; *GRADUATE TRAINEESHIPS (Z001633 002)*; $3,945
ANDERSON JR, D K; *GRADUATE TRAINEESHIPS (Z002401)*; 18 MONTHS $88,125

UNIVERSITY OF MISSOURI, KANSAS CITY

DALE, WESLEY J; *GRADUATE TRAINEESHIPS (Z001634 001)*; $1,771
DALE, WESLEY J; *GRADUATE TRAINEESHIPS (Z002402)*; 18 MONTHS $5,875

UNIVERSITY OF MISSOURI, ROLLA

MCFARLAND, ROBERT H; *GRADUATE TRAINEESHIPS (Z001635 002)*; $10,231
MCFARLAND, ROBERT H; *GRADUATE TRAINEESHIPS (Z002403)*; 18 MONTHS $41,125

WASHINGTON UNIVERSITY

MORROW, RALPH E; *GRADUATE TRAINEESHIPS (Z001636 002)*; $4,231
MORROW, RALPH E; *GRADUATE TRAINEESHIPS (Z002404)*; 18 MONTHS $88,125

MONTANA

MONTANA STATE UNIVERSITY

GOERING, KENNETH J; *GRADUATE TRAINEESHIPS (Z001637 002)*; $4,667
GOERING, K J; *GRADUATE TRAINEESHIPS (Z002405)*; 18 MONTHS $35,250

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STEWART, JOHN M; *GRADUATE TRAINEESHIPS (Z001638 001)*; $734
STEWART, JOHN M; *GRADUATE TRAINEESHIPS (Z002406)*; 18 MONTHS $5,875

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UNIVERSITY OF NEBRASKA AT LINCOLN

DREW, JAMES V; *GRADUATE TRAINEESHIPS (Z002407)*; 18 MONTHS $41,125

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UNIVERSITY OF NEVADA, RENO

O'BRIEN, T D; *GRADUATE TRAINEESHIPS (Z001640 001)*; $2,530
OBRIEN, T D; *GRADUATE TRAINEESHIPS (Z002408)*; 18 MONTHS $11,750

NEW HAMPSHIRE

DARTMOUTH COLLEGE

HORNIG, JAMES F; *GRADUATE TRAINEESHIPS (Z001641 001)*; $1,161
HORNIG, JAMES F; *GRADUATE TRAINEESHIPS (Z002409)*; 18 MONTHS $17,625

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DREW, WILLIAM H; *GRADUATE TRAINEESHIPS (Z002410)*; 18 MONTHS $35,250

NEW JERSEY

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WILTSEY, ROBERT G; *TESTING PROGRAM FOR FY-1973 GRADUATE FELLOWSHIP APPLICANTS (C626000 002)*; 12 MONTHS $28,855

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BEDROSIAN, ALEX; *GRADUATE TRAINEESHIPS (Z002411)*; 18 MONTHS $5,875

PRINCETON UNIVERSITY

EDENFIELD, EDWARD J; *GRADUATE TRAINEESHIPS (Z001644 001)*; $3,315
EDENFIELD, EDWARD J; *GRADUATE TRAINEESHIPS (Z002412)*; 18 MONTHS $117,500

RUTGERS UNIVERSITY

TORREY, HENRY C; *GRADUATE TRAINEESHIPS (Z002413)*; 18 MONTHS $76,375

SETON HALL UNIVERSITY

CONNOR, JOSEPH G; *GRADUATE TRAINEESHIPS (Z002414)*; 18 MONTHS $5,875

STEVENS INSTITUTE OF TECHNOLOGY

BOOTH, EUGENE T; *GRADUATE TRAINEESHIPS (Z001647 002)*; $1,299
BOOTH, EUGENE T; *GRADUATE TRAINEESHIPS (Z002415)*; 18 MONTHS $41,125

NEW MEXICO

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY

WILKENING, MARVIN H; *GRADUATE TRAINEESHIPS (Z001648 001)*; $122

WILKENING, MARVIN H; *GRADUATE TRAINEESHIPS (Z002416)*; 18 MONTHS $5,875

NEW MEXICO STATE UNIVERSITY

THOMPSON, MERRELL E; *GRADUATE TRAINEESHIPS (Z001649 002)*; $840

THOMPSON, MERRELL E; *GRADUATE TRAINEESHIPS (Z002417)*; 18 MONTHS $35,250

UNIVERSITY OF NEW MEXICO

KASNER, EDMUND B; *GRADUATE TRAINEESHIPS (Z002418)*; 18 MONTHS $47,000

NEW YORK

ADELPHI UNIVERSITY

KONIGSBERG, EVELYN; *GRADUATE TRAINEESHIPS (Z002419)*; 18 MONTHS $5,875

ALFRED UNIVERSITY

BUTLER, LEWIS C; *GRADUATE TRAINEESHIPS (Z001652 001)*; $900

BUTLER, LEWIS C; *GRADUATE TRAINEESHIPS (Z002420)*; 18 MONTHS $5,875

CITY UNIVERSITY OF NEW YORK SYSTEM OFFICE

ZUPNICK, ELLIOT; *GRADUATE TRAINEESHIPS (Z002421)*; 18 MONTHS $64,625

CLARKSON COLLEGE OF TECHNOLOGY

DONARUMA, L GUY; *GRADUATE TRAINEESHIPS (Z001654 001)*; $7,392

DONARUMA, L GUY; *GRADUATE TRAINEESHIPS (Z002422)*; 18 MONTHS $29,375

COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY

WEBB, WILLIAM L; *GRADUATE TRAINEESHIPS (Z001670 001)*; $1,584

WEBB, WILLIAM L; *GRADUATE TRAINEESHIPS (Z002438)*; 18 MONTHS $17,625

COLUMBIA UNIVERSITY

ROBEY, RICHARD C; *GRADUATE TRAINEESHIPS (Z002423)*; 18 MONTHS $164,500

COOPER UNION

WALLACE, F A; *GRADUATE TRAINEESHIPS (Z002424)*; 18 MONTHS $5,875

CORNELL UNIVERSITY

LEURGANS, PAUL J; *GRADUATE TRAINEESHIPS (Z002425)*; 18 MONTHS $182,125

DOWNSTATE MEDICAL CENTER AT BROOKLYN

BROOKS, CHANDLER MCC; *GRADUATE TRAINEESHIPS (Z001671 001)*; $531

BROOKS, CHANDLER MCC; *GRADUATE TRAINEESHIPS (Z002439)*; 18 MONTHS $5,875

FORDHAM UNIVERSITY

FINLAY, JAMES C; *GRADUATE TRAINEESHIPS (Z002426)*; 18 MONTHS $17,625

NEW SCHOOL FOR SOCIAL RESEARCH

GREENBAUM, JOSEPH J; *GRADUATE TRAINEESHIPS (Z002427)*; 18 MONTHS $11,750

NEW YORK MEDICAL COLLEGE

TABACHNICK, MILTON; *GRADUATE TRAINEESHIPS (Z002428)*; 18 MONTHS $5,875

NEW YORK UNIVERSITY

CHUSID, MARTIN; *GRADUATE TRAINEESHIPS (Z002429)*; 18 MONTHS $123,375

POLYTECHNIC INSTITUTE OF BROOKLYN

GIORDANO, A B; *GRADUATE TRAINEESHIPS (Z002430)*; 18 MONTHS $82,250

RENSSELAER POLYTECHNIC INSTITUTE

WIBERLEY, STEPHEN E; *GRADUATE TRAINEESHIPS (Z002431)*; 18 MONTHS $76,375

ROCKEFELLER UNIVERSITY

CONNELLY, CLARENCE M; *GRADUATE TRAINEESHIPS (Z001664 001)*; $40

CONNELLY, CLARENCE M; *GRADUATE TRAINEESHIPS (Z002432)*; 18 MONTHS $5,875

ST BONAVENTURE UNIVERSITY

ANDERSON, KENNETH E; *GRADUATE TRAINEESHIPS (Z002433)*; 18 MONTHS $5,875

ST JOHNOS UNIVERSITY

MEDICI, PAUL T; *GRADUATE TRAINEESHIPS (Z002434)*; 18 MONTHS $11,750

STATE UNIVERSITY AT ALBANY

SAIMOND, PAUL A; *GRADUATE TRAINEESHIPS (Z001667 001)*; $4,268

SALKEVER, LOUIS R; *GRADUATE TRAINEESHIPS (Z002435)*; 18 MONTHS $5,875

STATE UNIVERSITY AT BINGHAMTON

HUNTER, HUGH E; *GRADUATE TRAINEESHIPS (Z001668 001)*; $1,784

HALL, WAYNE C; *GRADUATE TRAINEESHIPS (Z002436)*; 18 MONTHS $5,875

STATE UNIVERSITY AT BUFFALO

HOLT, ANDREW W; *GRADUATE TRAINEESHIPS (Z001669 002)*; $10,238

HOLT, ANDREW W; *GRADUATE TRAINEESHIPS (Z002437)*; 18 MONTHS $70,500

STATE UNIVERSITY AT STONY BROOK

WEISINGER, HERBERT; *GRADUATE TRAINEESHIPS (Z001672 002)*; $1,552

WEISINGER, HERBERT; *GRADUATE TRAINEESHIPS (Z002440)*; 18 MONTHS $35,250

SYRACUSE UNIVERSITY

HOUGH, W HOWARD; *GRADUATE TRAINEESHIPS (Z002442)*; 18 MONTHS $88,125

UNION COLLEGE

PALMER, J D; *GRADUATE TRAINEESHIPS (Z001675 001)*; $102

UNION COLLEGE AND UNIVERSITY SYSTEM OFFICE

WEIFENBACH, WILLIAM; *GRADUATE TRAINEESHIPS (Z002443)*; 18 MONTHS $5,875

UNIVERSITY OF ROCHESTER

SPRAGG, S D S; *GRADUATE TRAINEESHIPS (Z001676 002)*; $2,901

SPRAGG, S D S; *GRADUATE TRAINEESHIPS (Z002444)*; 18 MONTHS $88,125

UPSTATE MEDICAL CENTER AT SYRACUSE

JACOBS, ROSS D; *GRADUATE TRAINEESHIPS (Z002441)*; 18 MONTHS $5,875

YESHIVA UNIVERSITY

GITTLER, JOSEPH B; *GRADUATE TRAINEESHIPS (Z002445)*; 18 MONTHS $17,625

NORTH CAROLINA

DUKE UNIVERSITY

HARMAN, C M; *GRADUATE TRAINEESHIPS (Z002445)*; 18 MONTHS $58,750

NORTH CAROLINA STATE UNIVERSITY AT RALEIGH

PETERSON, WALTER J; *GRADUATE TRAINEESHIPS (Z001679 002)*; $976

PETERSON, WALTER J; *GRADUATE TRAINEESHIPS (Z002447)*; 18 MONTHS $99,875

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

FLORA, JOSEPH M; *GRADUATE TRAINEESHIPS (Z001680 002)*; $6,099

FLORA, JOSEPH M; *GRADUATE TRAINEESHIPS (Z002448)*; 18 MONTHS $76,375

WAKE FOREST UNIVERSITY

STROUPE, HENRY S; *GRADUATE TRAINEESHIPS (Z002449)*; 18 MONTHS $17,625

NORTH DAKOTA

NORTH DAKOTA STATE UNIVERSITY

SMITH, GLENN S; *GRADUATE TRAINEESHIPS (Z002450)*; 18 MONTHS $11,750

UNIVERSITY OF NORTH DAKOTA

JOHNSON, A WILLIAM; *GRADUATE TRAINEESHIPS (Z001683 001)*; $3,547

JOHNSON, A WILLIAM; *GRADUATE TRAINEESHIPS (Z002451)*; 18 MONTHS $17,625

OHIO

BOWLING GREEN STATE UNIVERSITY

MARSO, RONALD N; *GRADUATE TRAINEESHIPS (Z001684 001)*; $945

MARSO, RON; *GRADUATE TRAINEESHIPS (Z002452)*; 18 MONTHS $11,750

CASE WESTERN RESERVE UNIVERSITY

HURLEY, FRANK H; *GRADUATE TRAINEESHIPS (Z001685 001)*; $6,298

HURLEY, FRANK H; *GRADUATE TRAINEESHIPS (Z002453)*; 18 MONTHS $117,500

KENT STATE UNIVERSITY

WHITE, JOHN; *GRADUATE TRAINEESHIPS (Z002454)*; 18 MONTHS $17,625

MIAMI UNIVERSITY

WOLVERTON, ROBERT E; *GRADUATE TRAINEESHIPS (Z002455)*; 18 MONTHS $5,875

OHIO STATE UNIVERSITY

ROADEN, ARLISS L; *GRADUATE TRAINEESHIPS (Z002456)*; 18 MONTHS $152,750

OHIO UNIVERSITY

COHN, NORMAN S; *GRADUATE TRAINEESHIPS (Z001689 001)*; $311

COHN, NORMAN S; *GRADUATE TRAINEESHIPS (Z002457)*; 18 MONTHS $17,625

UNIVERSITY OF AKRON

RZASA, MICHAEL J; *GRADUATE TRAINEESHIPS (Z002458)*; 18 MONTHS $5,875

UNIVERSITY OF CINCINNATI

WESSEL, ROBERT H; *GRADUATE TRAINEESHIPS (Z001691 002)*; $855

WESSEL, ROBERT H; *GRADUATE TRAINEESHIPS (Z002459)*; 18 MONTHS $47,000

UNIVERSITY OF DAYTON

STANDER, JOSEPH W; *GRADUATE TRAINEESHIPS (Z002460)*; 18 MONTHS $5,875

UNIVERSITY OF TOLEDO

TURIN, JOHN J; *GRADUATE TRAINEESHIPS (Z001693 001)*; $2,428

TURIN, JOHN J; *GRADUATE TRAINEESHIPS (Z002461)*; 18 MONTHS $5,875

OKLAHOMA

OKLAHOMA STATE UNIVERSITY

DURHAM, NORMAN N; *GRADUATE TRAINEESHIPS (Z001694 002)*; $11,440

UNIVERSITY OF OKLAHOMA

CRIM, ED F JR; *GRADUATE TRAINEESHIPS (Z001695 002)*; $5,536

CRIM JR, ED F; *GRADUATE TRAINEESHIPS (Z002463)*; 18 MONTHS $58,750

OKLAHOMA STATE UNIVERSITY-AGRICULTURAL EXPERIMENT STATION

DURHAM, NORMAN N; *GRADUATE TRAINEESHIPS (Z002462)*; 18 MONTHS $64,625

OREGON

OREGON GRADUATE CENTER FOR STUDY & RESEARCH

SCOTT, ARTHUR F; *GRADUATE TRAINEESHIPS (Z001696 001)*; $880

SCOTT, ARTHUR F; *GRADUATE TRAINEESHIPS (Z002464)*; 18 MONTHS $5,875

OREGON STATE UNIVERSITY

HANSEN, HENRY P; *GRADUATE TRAINEESHIPS (Z001697 002)*; $13,552

BOND, CARL; *GRADUATE TRAINEESHIPS (Z002465)*; 18 MONTHS $58,750

PORTLAND STATE UNIVERSITY

HARRIS, J KENNETH; *GRADUATE TRAINEESHIPS (Z001698 001)*; $471

CLARK, DAVID T; *GRADUATE TRAINEESHIPS (Z002466)*; 18 MONTHS $5,875

UNIVERSITY OF OREGON - EUGENE

FISK, CALVIN W; *GRADUATE TRAINEESHIPS (Z001699 002)*; $6,209

FISK, CALVIN W; *GRADUATE TRAINEESHIPS (Z002467)*; 18 MONTHS $52,875

UNIVERSITY OF PORTLAND

KEHOE, J A; *GRADUATE TRAINEESHIPS (Z001700 001)*; $2,240

OBRIEN, MICHAEL C; *GRADUATE TRAINEESHIPS (Z002468)*; 18 MONTHS $5,875

PENNSYLVANIA

BRYN MAWR COLLEGE

FOSTER, ELIZABETH R; *GRADUATE TRAINEESHIPS (Z002469)*; 18 MONTHS $5,875

CARNEGIE-MELLON UNIVERSITY

SCHATZ, EDWARD R; *GRADUATE TRAINEESHIPS (Z002470)*; 18 MONTHS $99,875

DREXEL UNIVERSITY

WITZELL, O W; *GRADUATE TRAINEESHIPS (Z001703 001)*; $1,476

WITZELL, O W; *GRADUATE TRAINEESHIPS (Z002471)*; 18 MONTHS $17,625

DUQUESNE UNIVERSITY

GROSS, FRANZ B; *GRADUATE TRAINEESHIPS (Z001704 001)*; $836

GROSS, FRANZ B; *GRADUATE TRAINEESHIPS (Z002472)*; 18 MONTHS $5,875

HAHNEMANN MEDICAL COLLEGE AND HOSPITAL

BONDI, A; *GRADUATE TRAINEESHIPS (Z002473)*; 18 MONTHS $5,875

LEHIGH UNIVERSITY

STOUT, ROBERT D; *GRADUATE TRAINEESHIPS (Z002475)*; 18 MONTHS $52,875

MEDICAL COLLEGE OF PENNSYLVANIA

GOLDMAN, DAVID E; *GRADUATE TRAINEESHIPS (Z002476)*; 18 MONTHS $5,875

PENNSYLVANIA STATE UNIVERSITY

HOWELL JR, B F; *GRADUATE TRAINEESHIPS (Z002477)*; 18 MONTHS $158,625

PHILADELPHIA COLLEGE OF PHARMACY AND SCIENCE

REBER, LOUIS A; *GRADUATE TRAINEESHIPS (Z001709 001)*; $822

REBER, LOUIS A; *GRADUATE TRAINEESHIPS (Z002478)*; 18 MONTHS $5,875

TEMPLE UNIVERSITY

EBERSOLE, MARK C; *GRADUATE TRAINEESHIPS (Z002479)*; 18 MONTHS $35,250

THOMAS JEFFERSON UNIVERSITY HOSPITAL

BALDRIDGE, ROBERT C; *GRADUATE TRAINEESHIPS (Z002474)*; 18 MONTHS $5,875

UNIVERSITY OF PENNSYLVANIA

OKANE, D J; *GRADUATE TRAINEESHIPS (Z002480)*; 18 MONTHS $135,125

UNIVERSITY OF PITTSBURGH

MCCOY, R H; *GRADUATE TRAINEESHIPS (Z001712 002)*; $9,918

MCCOY, R H; *GRADUATE TRAINEESHIPS (Z002481)*; 18 MONTHS $76,375

VILLANOVA UNIVERSITY

BUFORD, ALBERT H; *GRADUATE TRAINEESHIPS (Z002482)*; 18 MONTHS $5,875

RHODE ISLAND

BROWN UNIVERSITY

BRENNAN, MICHAEL J; *GRADUATE TRAINEESHIPS (Z002483)*; 18 MONTHS $76,375

PROVIDENCE COLLEGE

GALKOWSKI, THEODORE T; *GRADUATE TRAINEESHIPS (Z002484)*; 18 MONTHS $5,875

UNIVERSITY OF RHODE ISLAND

MICHEL, ALOYS A; *GRADUATE TRAINEESHIPS (Z002485)*; 18 MONTHS $17,625

SOUTH CAROLINA

CLEMSON UNIVERSITY

SCHWARTZ, A E; *GRADUATE TRAINEESHIPS (Z001718 002)*; $2,659

SCHWARTZ, A E; *GRADUATE TRAINEESHIPS (Z002486)*; 18 MONTHS $47,000

MEDICAL UNIVERSITY OF SOUTH CAROLINA

KINARD, F W; *GRADUATE TRAINEESHIPS (Z001719 001)*; $99

KINARD, F W; *GRADUATE TRAINEESHIPS (Z002487)*; 18 MONTHS $5,875

UNIVERSITY OF SOUTH CAROLINA

DAVIS, H W; *GRADUATE TRAINEESHIPS (Z002488)*; 18 MONTHS $17,625

SOUTH DAKOTA

SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY

GRIES, JOHN PAUL; *GRADUATE TRAINEESHIPS (Z001721 001)*; $167

GRIES, J P; *GRADUATE TRAINEESHIPS (Z002489)*; 18 MONTHS $5,875

SOUTH DAKOTA STATE UNIVERSITY

BAILEY, H S; *GRADUATE TRAINEESHIPS (Z001722 001)*; $919

BAILEY, H S; *GRADUATE TRAINEESHIPS (Z002490)*; 18 MONTHS $17,625

UNIVERSITY OF SOUTH DAKOTA

COBB, HENRY V; *GRADUATE TRAINEESHIPS (Z001723 001)*; $1,9[illegible]

COBB, HENRY V; *GRADUATE TRAINEESHIPS (Z002491)*; 18 MONTHS $11,750

TENNESSEE

GEORGE PEABODY COLLEGE FOR TEACHERS

TOMLINSON, GUS; *GRADUATE TRAINEESHIPS (Z002492)*; 18 MONTHS $5,875

MEMPHIS STATE UNIVERSITY

RICHARDSON, JOHN W; *GRADUATE TRAINEESHIPS (Z001725 001)*; $175

RICHARDSON, JOHN W; *GRADUATE TRAINEESHIPS (Z002493)*; 18 MONTHS $5,875

UNIVERSITY OF TENNESSEE MED UNITS AT MEMPHIS

ALDEN, ROLAND H; *GRADUATE TRAINEESHIPS (Z001727 001)*; $829

ALDEN, ROLAND H; *GRADUATE TRAINEESHIPS (Z002495)*; 18 MONTHS $5,875

UNIVERSITY OF TENNESSEE, KNOXVILLE

SMITH, HILTON A; *GRADUATE TRAINEESHIPS (Z001726 002)*; $1,343

SMITH, HILTON A. *GRADUATE TRAINEESHIPS (Z002494)*; 18 MONTHS $76,375

VANDERBILT UNIVERSITY

THUNE, LELAND E; *GRADUATE TRAINEESHIPS (Z001728 002)*; $5,243
THUNE, LELAND E; *GRADUATE TRAINEESHIPS (Z002496)*; 18 MONTHS $58,750

TEXAS

BAYLOR COLLEGE OF MEDICINE

MELNICK, JOSEPH L; *GRADUATE TRAINEESHIPS (Z002498)*; 18 MONTHS $5,875

BAYLOR UNIVERSITY

TOLAND, WILLIAM G; *GRADUATE TRAINEESHIPS (Z001729 001)*; $2,035
TOLAND, WILLIAM G; *GRADUATE TRAINEESHIPS (Z002497)*; 18 MONTHS $5,875

NORTH TEXAS STATE UNIVERSITY

TOULOUSE, ROBERT B; *GRADUATE TRAINEESHIPS (Z001731 001)*; $665
TOULOUSE, ROBERT B; *GRADUATE TRAINEESHIPS (Z002499)*; 18 MONTHS $11,750

RICE UNIVERSITY

RICHTER, G H; *GRADUATE TRAINEESHIPS (Z002500)*; 18 MONTHS $64,625

SOUTHERN METHODIST UNIVERSITY

BROOKS, JAMES E; *GRADUATE TRAINEESHIPS (Z002501)*; 18 MONTHS $35,250

TEXAS A & M UNIVERSITY

KUNZE, GEORGE W; *GRADUATE TRAINEESHIPS (Z001734 002)*; $5,606
KUNZE, GEORGE W; *GRADUATE TRAINEESHIPS (Z002502)*; 18 MONTHS $58,750

TEXAS CHRISTIAN UNIVERSITY

REUTER, FRANK T; *GRADUATE TRAINEESHIPS (Z001735 001)*; $400
REUTER, FRANK T; *GRADUATE TRAINEESHIPS (Z002503)*; 18 MONTHS $5,875

TEXAS TECH UNIVERSITY

AINSWORTH, LEN; *GRADUATE TRAINEESHIPS (Z002504)*; 18 MONTHS $17,625

TEXAS WOMANOS UNIVERSITY

SMITH, A A; *GRADUATE TRAINEESHIPS (Z001737 001)*; $227
SMITH, A A; *GRADUATE TRAINEESHIPS (Z002505)*; 18 MONTHS $5,875

UNIV OF TEXAS AT ARLINGTON

BAKER, W A; *GRADUATE TRAINEESHIPS (Z002507)*; 18 MONTHS $5,875

UNIV OF TEXAS AT AUSTIN

ELLISON, FRED P; *GRADUATE TRAINEESHIPS (Z001740 002)*; $9,612
ELLISON, FRED; *GRADUATE TRAINEESHIPS (Z002508)*; 18 MONTHS $152,750

UNIVERSITY OF HOUSTON

BUNN, RONALD F; *GRADUATE TRAINEESHIPS (Z001738 002)*; $4,836
JAMESON, DAVID L, *GRADUATE TRAINEESHIPS (Z002506)*; 18 MONTHS $35,250

UTAH

BRIGHAM YOUNG UNIVERSITY

RIDDLE, CHAUNCEY C; *GRADUATE TRAINEESHIPS (Z001741 001)*; $9,847
RIDDLE, CHAUNCEY C; *GRADUATE TRAINEESHIPS (Z002509)*; 18 MONTHS $17,625

UNIVERSITY OF UTAH

MCMURRIN, STERLING M; *GRADUATE TRAINEESHIPS (Z001742 002)*; $13,398
MCMURRIN, STERLING M; *GRADUATE TRAINEESHIPS (Z002510)*; 18 MONTHS $70,500

UTAH STATE UNIVERSITY

GARDNER, ELDON J; *GRADUATE TRAINEESHIPS (Z001743 002)*; $14,086
GARDNER, ELDON J; *GRADUATE TRAINEESHIPS (Z002511)*; 18 MONTHS $35,250

VERMONT

UNIVERSITY OF VERMONT

MACMILLAN, WILLIAM H; *GRADUATE TRAINEESHIPS (Z001744 001)*; $963
JOHNSTONE, DONALD B; *GRADUATE TRAINEESHIPS (Z002512)*; 18 MONTHS $17,625

VIRGINIA

NONE; *OTHER PROGRAM AWARDS (04AWDS)*; $1,279

COLLEGE OF WILLIAM AND MARY

SELBY, JOHN E; *GRADUATE TRAINEESHIPS (Z002513)*; 18 MONTHS $17,625

UNIVERSITY OF VIRGINIA

WHITEHEAD, W D; *GRADUATE TRAINEESHIPS (Z002515)*; 18 MONTHS $58,750

VIRGINIA POLYTECHNIC INSTITUTE

BULL, FRED W; *GRADUATE TRAINEESHIPS (Z002516)*; 18 MONTHS $58,750

VIRGINIA COMMONWEALTH UNIVERSITY-HEALTH SCIENCES DIVISION

WATTS, DANIEL T; *GRADUATE TRAINEESHIPS (Z002514)*; 18 MONTHS $5,875

WASHINGTON

UNIVERSITY OF WASHINGTON

MCCARTHY, JOSEPH L; *GRADUATE TRAINEESHIPS (Z001749 002)*; $14,711
MCCARTHY, JOSEPH L; *GRADUATE TRAINEESHIPS (Z002517)*; 18 MONTHS $164,500

WASHINGTON STATE UNIVERSITY

NYMAN, C J; *GRADUATE TRAINEESHIPS (Z002518)*; 18 MONTHS $47,000

WEST VIRGINIA

WEST VIRGINIA UNIVERSITY

LUDLUM, JOHN C; *GRADUATE TRAINEESHIPS (Z002519)*; 18 MONTHS $35,250

WISCONSIN

INSTITUTE OF PAPER CHEMISTRY

MILLER, ARILD J; *GRADUATE TRAINEESHIPS (Z002520)*; 18 MONTHS $5,875

MARQUETTE UNIVERSITY

QUADE, QUENTIN L; *GRADUATE TRAINEESHIPS (Z001753 001)*; $2,181
QUADE, QUENTIN L; *GRADUATE TRAINEESHIPS (Z002521)*; 18 MONTHS $17,625

UNIVERSITY OF WISCONSIN, MADISON

BOCK, ROBERT M; *GRADUATE TRAINEESHIPS (Z001754 002)*; $15,426
BOCK, ROBERT M; *GRADUATE TRAINEESHIPS (Z002522)*; 18 MONTHS $211,500

UNIVERSITY OF WISCONSIN, MILWAUKEE

FENSKE, RUSSELL W; *GRADUATE TRAINEESHIPS (Z001755 002)*; $5,358
FENSKE, RUSSELL W; *GRADUATE TRAINEESHIPS (Z002523)*; 18 MONTHS $29,375

WYOMING

UNIVERSITY OF WYOMING

MCCOLLOCH, R J; *GRADUATE TRAINEESHIPS (Z001756 001)*; $1,304
BRUCE, ROBERT H; *GRADUATE TRAINEESHIPS (Z002524)*; 18 MONTHS $17,625

INSTRUCTIONAL PERSONNEL DEVELOPMENT

PRE-COLLEGE LEVEL

ALABAMA

AUBURN UNIVERSITY

BUTZ, R K; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006848)*; 10 MONTHS $55,764

MOBILE COLLEGE

SMITH, GEORGE A; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007390)*; 19 MONTHS $8,125

TUSKEGEE INSTITUTE

KOONS, LAWRENCE F; *SUMMER INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W006891)*; 10 MONTHS $38,220

UNIVERSITY OF ALABAMA IN BIRMINGHAM

VAUGHAN, L O; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007361)*; 19 MONTHS $15,125
SETTINE, ROBERT L; *IN-SERVICE INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W007477)*; 10 MONTHS $12,939

UNIVERSITY OF SOUTH ALABAMA

BJORK, DAVID M; *IN-SERVICE INSTITUTE IN MACOS SOCIAL SCIENCES CURRICULUM DEVELOPMENT FOR SECONDARY SCHOOL TEACHERS (W007474)*; 19 MONTHS $12,115

ALASKA

UNIVERSITY OF ALASKA

STICKNEY, ROLAND F; *IN-SERVICE INSTITUTE IN ENVIRONMENTAL SCIENCE CURRICULUM STUDY FOR SECONDARY SCHOOL TEACHERS (W007416)*; 19 MONTHS $6,410

ARIZONA

ARIZONA STATE UNIVERSITY

RAWLS, WILLIAM S; *IN-SERVICE INSTITUTE IN MECHANICS FOR SECONDARY SCHOOL TEACHERS (W007484)*; 19 MONTHS $10,452

NORTHERN ARIZONA UNIVERSITY

BEUS, STANLEY S; *SUMMER INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006982)*; 10 MONTHS $47,515

UNIVERSITY OF ARIZONA

STEINBRENNER, ARTHUR H; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006899)*; 10 MONTHS $74,165

SEELEY, MILLARD G; *SUMMER INSTITUTE IN MULTIPLE FIELDS FOR SECONDARY SCHOOL TEACHERS (W006919)*; 10 MONTHS $81,125

HOSHAW, ROBERT W; *IN-SERVICE INSTITUTE IN SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007336)*; 19 MONTHS $20,847

STEINBRENNER, ARTHUR H; *IN-SERVICE INSTITUTE IN COMPUTER MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007352)*; 19 MONTHS $7,921

ARKANSAS

UNIVERSITY OF ARKANSAS

ORTON, WILLIAM R; *COMPREHENSIVE PROGRAM FOR SECONDARY SCHOOL TEACHERS OF MATHEMATICS (W007314)*; 23 MONTHS $200,119

ORTON, WILLIAM R; *COMPREHENSIVE PROGRAM FOR SECONDARY SCHOOL TEACHERS OF MATHEMATICS (W007314 001)*; 12 MONTHS $228,457

UNIVERSITY OF ARKANSAS-UNIVERSITY OF ARKANSAS AT MONTICELLO

GUENTER, JOE M; *SUMMER INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006934)*; 10 MONTHS $41,591

CALIFORNIA

CALIFORNIA STATE COLLEGE AT SAN BERNARDINO

STANTON, GORDON E; *IN-SERVICE INSTITUTE IN SOCIOLOGY AND SOCIAL STUDIES FOR SECONDARY SCHOOL TEACHERS (W007396)*; 19 MONTHS $8,611

CALIFORNIA STATE COLLEGE AT SONOMA

BRUMBAUGH, JOE H; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W006874)*; 10 MONTHS $59,038

DUNCAN, DONALD G; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007395)*; 19 MONTHS $8,557

CALIFORNIA STATE UNIVERSITY, FRESNO

LABARRE JR, ANTHONY E; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006951)*; 10 MONTHS $46,840

LYLES JR, SAMUEL P; *IN-SERVICE INSTITUTE IN PHYSICAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007455)*; 19 MONTHS $8,090

CALIFORNIA STATE UNIVERSITY, FULLERTON

TURNER, GEORGE C; *1971-72 ACADEMIC YEAR INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS AND TEACHER-INTERNS (W005851 002)*; $21,500

TURNER, GEORGE C; *ACADEMIC YEAR INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS AND TEACHER-INTERNS (W007063)*; 24 MONTHS $50,785

TURNER, GEORGE C; *IN SERVICE INSTITUTE IN HUMAN ECOLOGY FOR SECONDARY SCHOOL TEACHERS (W007324)*; 19 MONTHS $10,467

TURNER, GEORGE C; *COMPREHENSIVE URBAN SCIENCE INTERN TEACHING PROJECT (W007625)*; 29 MONTHS $421,140

CALIFORNIA STATE UNIVERSITY, SACRAMENTO

COSTA, ARTHUR L; *IN-SERVICE INSTITUTE IN SOCIAL SCIENCES FOR SECONDARY SCHOOL TEACHERS (W007500)*; 8 MONTHS $17,071

CALIFORNIA STATE UNIVERSITY, SAN DIEGO

SMITH JR, LOUIS E; *1971 SUMMER INSTITUTE IN GENERAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006112 001)*; $1,407

BECKER, GERALD A; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006873)*; 10 MONTHS $58,256

DESSEL, NORMAN F; *SUMMER INSTITUTE IN PROJECT PHYSICS FOR SECONDARY SCHOOL TEACHERS (W006881)*; 10 MONTHS $59,072

SMITH JR, LOUIS E; *SUMMER INSTITUTE IN GENERAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006995)*; 10 MONTHS $67,967

BECKER, GERALD A; *ACADEMIC YEAR INSTITUTE IN MATHEMATICS FOR EXPERIENCED AND INTERN SECONDARY SCHOOL TEACHERS (W007060)*; 24 MONTHS $55,976

WALLACE, WILLIAM J; *IN-SERVICE INSTITUTE IN OCEANOGRAPHY FOR SECONDARY SCHOOL TEACHERS (W007350)*; 19 MONTHS $7,783

CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO

SULLIVAN, RAYMOND; *IN-SERVICE INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007415)*; 19 MONTHS $14,328

CALIFORNIA STATE UNIVERSITY, SAN JOSE

PRUITT, ROBERT; *COMPREHENSIVE PROGRAM FOR SECONDARY SCHOOL TEACHERS OF MATHEMATICS (W006367 001)*; 12 MONTHS $279,837

MINGS, TURLEY R; *SUMMER INSTITUTE IN ECONOMICS FOR SECONDARY SCHOOL TEACHERS (W007016)*; 10 MONTHS $52,835

CRAIG, JAMES M; *IN-SERVICE INSTITUTE IN GENERAL MICROBIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007410)*; 19 MONTHS $12,653

CRAIG, JAMES M; *IN-SERVICE INSTITUTE IN GENERAL MICROBIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007410 001)*; $3,731

BEARD, JEAN; *IN-SERVICE INSTITUTE IN ISCS STRATEGY AND EXPERIENCES FOR SECONDARY SCHOOL TEACHERS (W007488)*; 19 MONTHS $12,586

BEARD, JEAN; *IN-SERVICE INSTITUTE IN ISCS STRATEGY AND EXPERIENCES FOR SECONDARY SCHOOL TEACHERS (W007488 001)*; $2,052

STANFORD UNIVERSITY

BACON, HAROLD M; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006890)*; 10 MONTHS $69,374

UNIVERSITY OF CALIFORNIA, BERKELEY

WHINNERY, JOHN R; *IN-SERVICE INSTITUTE IN ENGINEERING CONCEPTS CURRICULUM PROJECT FOR SECONDARY SCHOOL TEACHERS (W006803)*; 13 MONTHS $15,952

KNIGHT, C ARTHUR; *SUMMER INSTITUTE IN MOLECULAR BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W006833)*; 10 MONTHS $64,070

CRAWFORD, FRANK; *SUMMER INSTITUTE IN TEACHER INITIATED PROJECTS FOR SECONDARY SCHOOL TEACHERS (W006917)*; 8 MONTHS $67,487

FRY, WAYNE L; *SUMMER AND IN-SERVICE INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006944)*; 20 MONTHS $77,282

DAHLSTEN, DONALD L; *SHORT COURSE ON ENVIRONMENTAL STUDIES FOR SECONDARY SCHOOL TEACHERS (W007297)*; 19 MONTHS $12,529

MILLER, JOHN D; *IN-SERVICE INSTITUTE IN SCIENCE AND MATHEMATICS INSTRUCTION FOR SECONDARY SCHOOL TEACHERS (W007385)*; 19 MONTHS $16,119

STONE, EDWARD C; *IN-SERVICE INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007386)*; 19 MONTHS $7,097

UNIVERSITY OF CALIFORNIA, LOS ANGELES

BURKHARD, MERTON; *SUMMER INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W006814)*; 17 MONTHS $7,022

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

MEYER, WILLIAM H; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006896)*; 19 MONTHS $90,336

UNIVERSITY OF REDLANDS

TROLAN, J KENNETH; *IN-SERVICE INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W007387)*; 19 MONTHS $10,628

UNIVERSITY OF SAN FRANCISCO

FARRELL, EDWARD J; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007225)*; 10 MONTHS $37,979

UNIVERSITY OF SANTA CLARA

KLOSINSKI, L F; *SUMMER AND IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006943)*; 20 MONTHS $72,451

DEMARTINI, JOSEPH; *SUMMER INSTITUTE IN SOCIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007020)*; 10 MONTHS $51,630

HAMLETT, BRUCE D; *SHORT COURSE ON SIMULATION TECHNIQUES FOR SECONDARY SCHOOL TEACHERS (W007309)*; 19 MONTHS $12,831

UNIVERSITY OF SOUTHERN CALIFORNIA

WHITE, PAUL A; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006949)*; 10 MONTHS $52,417

WHITE, PAUL A; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007453)*; 19 MONTHS $24,117

COLORADO

COLORADO COLLEGE

KESTER, KEITH B; *IN-SERVICE INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W007447)*; 19 MONTHS $5,818

COLORADO SCHOOL OF MINES

BURNETT, JERROLD J; *IN-SERVICE INSTITUTE IN GENERAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007342)*; 19 MONTHS $22,459

COLORADO STATE UNIVERSITY

PAINTER, RICHARD J; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006843)*; 10 MONTHS $67,393

BRITTON, CHARLES C; *SUMMER INSTITUTE IN TECHNOLOGY AND SOCIETY FOR SECONDARY SCHOOL TEACHERS (W006916)*; 10 MONTHS $49,185

FORT LEWIS COLLEGE

GIBBS, RICHARD A; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W007418); 19 MONTHS $6,838

SOCIAL SCIENCE EDUCATION CONSORTIUM INC

DAVIS, JAMES E; *CONFERENCE IN SOCIAL SCIENCE EDUCATION FOR STATE SOCIAL STUDIES SPECIALISTS* (W007620); 15 MONTHS $19,186

UNIVERSITY OF COLORADO

MALER, G J; *SUMMER INSTITUTE IN ENGINEERING SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W006966); 10 MONTHS $53,258

HAAS, JOHN D; *ACADEMIC YEAR INSTITUTE IN SOCIAL SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W007047); 24 MONTHS $94,574

MAYER, WILLIAM V; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS* (W007814); 10 MONTHS $77,868

WAILES, JAMES R; *SHORT COURSE ON NATIONAL CURRICULAR STUDIES FOR SCIENCE SUPERVISORS AND COLLEGE PERSONNEL* (W007301*); 10 MONTHS $19,050

HAAS, JOHN D; *IN-SERVICE INSTITUTE IN POLITICAL SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W007427); 19 MONTHS $10,250

UNIVERSITY OF NORTHERN COLORADO

DIETZ, RICHARD D; *IN-SERVICE INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W007497); 19 MONTHS $18,800

DIETZ, RICHARD D; *IN-SERVICE INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W007497 001); $3,110

UNIVERSITY OF COLORADO-COLORADO SPRINGS CENTER

SHERMAN, JACK; *IN-SERVICE INSTITUTE IN MATHEMATICS (COLAMDA) FOR SECONDARY SCHOOL TEACHERS* (W007389); 19 MONTHS $8,653

SHERMAN, JACK; *IN-SERVICE INSTITUTE IN 'THE MAN-MADE WORLD' FOR SECONDARY SCHOOL TEACHERS* (W007438); 19 MONTHS $12,089

UNIVERSITY OF COLORADO-DENVER CENTER

ALLEN, FREDERICK S; *IN-SERVICE INSTITUTE IN STRUCTURE OF THE SOCIAL SCIENCES FOR SECONDARY SCHOOL TEACHERS* (W007383); 19 MONTHS $21,698

CONNECTICUT

FAIRFIELD UNIVERSITY

BOLGER, ROBERT E; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W007334); 19 MONTHS $10,844

SOUTHERN CONNECTICUT STATE COLLEGE

SCHRADER, DOROTHY V; *ACADEMIC YEAR INSTITUTE IN MATHEMATICS FOR INTERN TEACHERS AND SECONDARY SECONDARY SCHOOL TEACHERS* (W007064); 24 MONTHS $33,078

ST JOSEPH COLLEGE

MARKHAM, M CLARE; *SUMMER AND IN-SERVICE INSTITUTE IN ENVIRONMENTAL STUDIES FOR SECONDARY SCHOOL TEACHERS* (W007221); 20 MONTHS $16,886

UNIVERSITY OF CONNECTICUT

WOLFE, MARTIN S; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W007005); 10 MONTHS $47,851

WESLEYAN UNIVERSITY

CRONIN, JAMES E; *SUMMER INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W006867); 10 MONTHS $19,396

CRONIN, JAMES E, *SUMMER INSTITUTE IN MULTIPLE FIELDS FOR SECONDARY SCHOOL TEACHERS* (W006872); 11 MONTHS $45,143

DELAWARE

UNIVERSITY OF DELAWARE

PURNELL, CHARLOTTE H; *THE DEL MOD SYSTEM PROJECT - A SYSTEMS APPROACH TO SCIENCE EDUCATION IN DELAWARE* (W006703 001) $39,310

PURNELL, CHARLOTTE H; *THE DEL MOD SYSTEM PROJECT-A SYSTEMS APPROACH TO SCIENCE EDUCATION IN DELAWARE* (W006703 002); 12 MONTHS $591,162

SLOYER, CLIFFORD W; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W007353); 19 MONTHS $7,343

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS* (14AWDS); $16,545

AMERICAN UNIVERSITY

MOTZ, ANNABELLE; *1971-72 IN-SERVICE INSTITUTE IN SOCIOLOGY FOR SECONDARY SCHOOL TEACHERS* (W005876 001); 15 MONTHS $3,925

SCHUBERT, LEO; *SUMMER INSTITUTE IN SPECIAL TOPICS IN CHEMISTRY AND PHYSICS FOR SECONDARY SCHOOL TEACHERS* (W006913); 10 MONTHS $56,543

SCHUBERT, LEO; *IN-SERVICE INSTITUTE IN SCIENCE AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W007346); 19 MONTHS $22,730

SCHUBERT, LEO; *1973-74 IN-SERVICE INSTITUTE IN SCIENCE AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W007637); 25 MONTHS $23,831

CATHOLIC UNIVERSITY OF AMERICA

MOLLER, RAYMOND W; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W006950); 6 MONTHS $38,080

GEORGE WASHINGTON UNIVERSITY

BARI, RUTH A; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W007381); 19 MONTHS $9,869

HOWARD UNIVERSITY

TAYLOR, MARIE C; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS* (W006831); 10 MONTHS $39,201

NATIONAL SCIENCE TEACHERS ASSOCIATION

MERRILL, RICHARD J; *IN-SERVICE EDUCATION OF TEACHERS OF SCIENCE THROUGH SPECIAL PROGRAM COMPONENTS OF REGIONAL CONFERENCES OF NSTA* (W006807); 12 MONTHS $18,099

MERRILL, RICHARD J; *IN-SERVICE ACTIVITIES IN SCIENCE AND TEACHING OF SCIENCE* (W006807 001); 12 MONTHS $20,003

KIZER, FRANKLIN D; *SEVEN REGIONAL CONFERENCES ON SCIENCE EDUCATION IN THE ELEMENTARY AND SECONDARY SCHOOLS OF THE NATION* (W006809*); 12 MONTHS $46,837

FLORIDA

FLORIDA STATE UNIVERSITY

WESTMEYER, PAUL H; *1970 SUMMER INSTITUTE IN NEW CURRICULUM DEVELOPMENTS FOR SCIENCE SUPERVISORS* (W004878 001); $1,050

WESTMEYER, PAUL H; *SUMMER INSTITUTE IN NEW CURRICULUM DEVELOPMENTS FOR SCIENCE SUPERVISORS* (W006912); 10 MONTHS $41,328

WESTMEYER, PAUL; *SUMMER INSTITUTE ON THE INTERMEDIATE SCIENCE CURRICULUM STUDY MATERIALS FOR SECONDARY SCHOOL TEACHERS* (W006955); 10 MONTHS $40,730

WESTMEYER, PAUL; *SUMMER INSTITUTE IN TEACHER INITIATED PROGRAMS FOR SECONDARY SCHOOL TEACHERS* (W006964); 10 MONTHS $47,148

WILLS, HERBERT; *ACADEMIC YEAR INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W007054); 24 MONTHS $1[illegible],089

WESTMEYER, PAUL; *IN-SERVICE INSTITUTE IN BSCS-SPECIAL MATERIALS FOR SECONDARY SCHOOL TEACHERS* (W007502); 19 MONTHS $15,594

WESTMEYER, PAUL; *IN-SERVICE INSTITUTE IN THE INTERMEDIATE SCIENCE CURRICULUM STUDY MATERIALS FOR SECONDARY SCHOOL TEACHERS* (W007628); 13 MONTHS $15,368

FLORIDA TECHNOLOGICAL UNIVERSITY

BOLTE, JOHN R; *1971 SUMMER INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS* (W006169 001); $178

UNIVERSITY OF FLORIDA

NELSON, CHARLES W; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W00[illegible]933); 10 MONTHS $59,902

RAPPENECKER, CASPAR; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W007329), 19 MONTHS $28,300

RAPPENECKER, CASPAR; *IN-SERVICE INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W007343); 19 MONTHS $50,258

RAPPENECKER, CASPAR; *IN-SERVICE INSTITUTE IN INTRODUCTORY PHYSICAL SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W007344); 19 MONTHS $16,990

GEORGIA

ATLANTA UNIVERSITY

FREDERICK, LAFAYETTE; *ACADEMIC YEAR INSTITUTE IN BIOLOGY AND CHEMISTRY FOR SECONDARY SCHOOL TEACHERS* (W007053); 24 MONTHS $128,828

EMORY UNIVERSITY

DOWNES, JOHN P; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W006858); 10 MONTHS $49,946

LESTER, CHARLES T; *IN-SERVICE INSTITUTE FOR SECONDARY SCHOOL TEACHERS* (W007316); 19 MONTHS $12,905

NORTH GEORGIA COLLEGE

ROUGHEAD JR, WILLIAM G; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W007208); 10 MONTHS $50,165

SHORTER COLLEGE

GREEAR, PHILIP F-C; *SHORT COURSE ON NATURAL RESOURCE USE EDUCATION FOR SECONDARY SCHOOL TEACHERS* (W007305); 10 MONTHS $6,605

UNIVERSITY OF GEORGIA

WAGGONER, W H; *SUMMER INSTITUTE IN MULTIPLE FIELDS FOR SECONDARY SCHOOL TEACHERS* (W006937); 10 MONTHS $30,930

KELLY, PAUL EDWARD; *SUMMER INSTITUTE IN SOCIOLOGY FOR SECONDARY SCHOOL TEACHERS* (W007027); 10 MONTHS $34,749

KOELSCHE, CHARLES L; *IN-SERVICE INSTITUTE IN BIOLOGICAL, PHYSICAL AND EARTH SCIENCES FOR SECONDARY SCHOOL TEACHERS (W007321)*; **19 MONTHS $31,978**

VALDOSTA STATE COLLEGE

CONNELL, CLYDE E, *SHORT COURSE ON NATURAL RESOURCE EDUCATION FOR SECONDARY SCHOOL TEACHERS (W007311)*; **10 MONTHS $6,656**

HAWAII

UNIVERSITY OF HAWAII

WONG, RUTH E M; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007330)*; **19 MONTHS $26,954**

NOSE, KATASHI; *IN-SERVICE INSTITUTE IN ELECTRONICS FOR SECONDARY SCHOOL TEACHERS (W007434)*; **19 MONTHS $10,440**

IDAHO

COLLEGE OF IDAHO

HENRY, BOYD; *IN-SERVICE INSTITUTE IN COMPUTER MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007433)*; **19 MONTHS $9,675**

UNIVERSITY OF IDAHO

TYLUTKI, EDMUND E; *SUMMER INSTITUTE IN MULTIPLE FIELDS FOR SECONDARY SCHOOL TEACHERS (W006894)*; **10 MONTHS $83,626**

ILLINOIS

DEPAUL UNIVERSITY

SEMRAD, JOSEPH E; *IN-SERVICE INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007318)*; **19 MONTHS $12,625**

ILLINOIS INSTITUTE OF TECHNOLOGY

WILCOX, L R; *ACADEMIC YEAR INSTITUTE IN COMPUTER SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007056)*; **24 MONTHS $126,866**

ZWICKER, EARL; *SUMMER AND IN-SERVICE INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W007219)*; **20 MONTHS $38,074**

REINGOLD, HAIM; *IN-SERVICE INSTITUTE IN MATHEMATICS AND COMPUTERS FOR SECONDARY SCHOOL TEACHERS (W007398)*; **19 MONTHS $40,951**

KNOX COLLEGE

PRIESTLEY, HERBERT; *SUMMER INSTITUTE IN SCIENCE AND SOCIETY FOR SECONDARY SCHOOL TEACHERS (W006864)*; **10 MONTHS $44,975**

PRIESTLEY, HERBERT; *SHORT COURSE ON SCIENCE AND SOCIETY FOR SECONDARY SCHOOL TEACHERS (W007294)*; **10 MONTHS $8,340**

HARRIS, LELAND; *IN-SERVICE INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W007448)*; **19 MONTHS $7,961**

NORTHEASTERN ILLINOIS STATE COLLEGE

QUTUB, MUSA Y; *IN SERVICE INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007503)*; **19 MONTHS $10,960**

NORTHERN ILLINOIS UNIVERSITY

BEHR, MERLYN J; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007224)*; **10 MONTHS $66,865**

NORTHWESTERN UNIVERSITY

HERRICK, THERAL T; *SHORT COURSE ON ECONOMICS FOR SECONDARY SCHOOL TEACHERS AND ADMINISTRATORS (W007312)*; **10 MONTHS $24,679**

ROOSEVELT UNIVERSITY

HARRIS, ARTHUR; *SUMMER INSTITUTE IN SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006900)*; **10 MONTHS $34,385**

SOUTHERN ILLINOIS UNIVERSITY - CARBONDALE

MCDANIEL, WILBUR C; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006860)*; **10 MONTHS $15,649**

UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE

SETTON, HENRY A; *IN-SERVICE INSTITUTE IN 'THE MAN-MADE WORLD' (ECCP) FOR SECONDARY SCHOOL TEACHERS (W007429)*; **10 MONTHS $10,070**

HART, ALICE; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007478)*; **19 MONTHS $22,000**

UNIVERSITY OF ILLINOIS AT URBANA

ZARING, WILSON M; *ACADEMIC YEAR INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007043)*; **24 MONTHS $171,528**

ZWOYER, RUSSELL E; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007218)*; **10 MONTHS $100,000**

PADEN, DONALD W; *SUMMER INSTITUTE IN ECONOMICS FOR SECONDARY SCHOOL TEACHERS (W007233)*; **10 MONTHS $22,841**

PADEN, DONALD W; *1973 SUMMER INSTITUTE IN ECONOMICS FOR SECONDARY SCHOOL TEACHERS (W007630)*; **14 MONTHS $18,764**

UNIVERSITY OF LOUISVILLE

ZARING, WILSON; *IN-SERVICE INSTITUTE IN COMPUTER SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006804)*; **13 MONTHS $16,179**

INDIANA

BALL STATE UNIVERSITY

MERTENS, THOMAS R; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W006898)*; **10 MONTHS $62,195**

MCCORMICK, ROY L; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006930)*; **10 MONTHS $48,065**

AVILA, RAMON L; *IN-SERVICE INSTITUTE IN PROBLEMS IN THE TEACHING OF JUNIOR HIGH MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007367)*; **19 MONTHS $6,603**

DEPAUW UNIVERSITY

GASS, CLINTON B; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007200)*; **10 MONTHS $41,210**

INDIANA STATE UNIVERSITY

POORMAN, LAWRENCE E; *IN-SERVICE INSTITUTE IN PHYSICS AND BIOPHYSICS FOR SECONDARY SCHOOL TEACHERS (W007328)*; **19 MONTHS $8,517**

INDIANA UNIVERSITY, BLOOMINGTON

WILCOX, MARIE S; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006840)*; **10 MONTHS $55,883**

DROSTE, JOHN B; *SUMMER INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006868)*; **10 MONTHS $65,308**

MCCLUNG, L S; *SUMMER INSTITUTE IN MICROBIOLOGY FOR SECONDARY SCHOOL TEACHERS (W006978)*; **10 MONTHS $35,226**

PURDUE UNIVERSITY

OLSON, J BENNET; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W006920)*; **10 MONTHS $68,018**

NEIE, VAN E; *SUMMER INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W006973)*; **10 MONTHS $116,177**

HERRON, J D; *SUMMER INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W006974)*; **10 MONTHS $71,818**

WHEATLEY, GRAYSON H; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006981)*; **10 MONTHS $60,400**

BECHTEL, ROBERT D; *SUMMER AND IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007196)*; **20 MONTHS $136,877**

UNIVERSITY OF EVANSVILLE

COLEMAN, RALPH H; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007399)*; **19 MONTHS $6,441**

UNIVERSITY OF NOTRE DAME

MURPHY, MICHAEL J; *1971-72 IN-SERVICE INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W005759 001)*; **$4,079**

GOETZ, ABRAHAM; *COMPREHENSIVE PROJECT OF SUPPLEMENTARY EDUCATION FOR SECONDARY SCHOOL TEACHERS OF MATHEMATICS (W006369 001)*; **12 MONTHS $318,120**

ANTHONY, ROBERT L; *SUMMER INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W006857)*; **10 MONTHS $48,492**

MURPHY, MICHAEL J; *SUMMER INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006897)*; **10 MONTHS $115,073**

HOFMAN, EMIL T; *SUMMER INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W006946)*;. **10 MONTHS $75,010**

MURPHY, MICHAEL J; *IN-SERVICE INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007493)*; **19 MONTHS $14,215**

IOWA

CLARKE COLLEGE

KELLER, SR MARY K; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006921)*; **10 MONTHS $32,721**

DRAKE UNIVERSITY

ROGERS, RODNEY A; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W006839)*; **10 MONTHS $65,695**

WOODWORTH, WAYNE L; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006918)*, **11 MONTHS $58,649**

IOWA STATE UNIVERSITY OF SCIENCE & TECHNOLOGY

HUSSEY, KEITH M; *SUMMER INSTITUTE EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006956)*; **10 MONTHS $39,228**

UNIVERSITY OF IOWA

YAGER, ROBERT E; *SUMMER INSTITUTE IN INTERDISCIPLINARY ENVIRONMENTAL STUDIES FOR SECONDARY SCHOOL TEACHERS (W006989)*; **8 MONTHS $49,878**

YAGER, ROBERT E; *SUMMER INSTITUTE IN MOLECULAR BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W006990)*; **20 MONTHS $62,190**

YAGER, ROBERT E; *ACADEMIC YEAR INSTITUTE IN MATHEMATICS AND SCIENCE FOR SUPERVISOR INTERNS (W007042)*; **24 MONTHS $86,553**

WILMETH, J RICHARD; *SUMMER INSTITUTE IN SOCIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007201)*; **10 MONTHS $47,366**

KEPNER, HENRY S; *SHORT COURSE ON COMPUTER SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007308)*; **10 MONTHS $18,800**

YAGER, ROBERT E; *IN-SERVICE INSTITUTE IN UNIFIED SCIENCE CONCEPTS FOR SECONDARY SCHOOL TEACHERS (W007471)*; **19 MONTHS $15,049**

UNIVERSITY OF NORTHERN IOWA

ALBERTS, LYLE K; *IN-SERVICE INSTITUTE IN SOCIAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007400)*; 19 MONTHS $13,966

HANSON, ROBERT W; *IN-SERVICE INSTITUTE IN ENVIRONMENTAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007476)*; 19 MONTHS $11,150

KANSAS

KANSAS STATE COLLEGE OF PITTSBURG

THOMAS, HAROLD L; *SUMMER INSTITUTE IN MULTIPLE FIELDS FOR SECONDARY SCHOOL TEACHERS (W006922)*; 10 MONTHS $52,255

THOMAS, HAROLD L; *SUMMER INSTITUTE IN MULTIPLE FIELDS FOR SECONDARY SCHOOL TEACHERS (W007642)*; 16 MONTHS $33,701

KANSAS STATE TEACHERS COLLEGE OF EMPORIA

CRAM, S WINSTON; *SUMMER INSTITUTE IN PHYSICAL SCIENCES FOR SECONDARY SCHOOL TEACHERS (W006886)*; 10 MONTHS $37,972

DURST, HAROLD; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W006972)*; 10 MONTHS $62,145

DURST, HAROLD; *IN-SERVICE INSTITUTE IN ENVIRONMENTAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007411)*; 19 MONTHS $17,378

KANSAS STATE UNIVERSITY

CHELIKOWSKY, J R; *SUMMER INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006837)*; 10 MONTHS $37,572

MEYER, WALTER; *SUMMER INSTITUTE IN POWER, SOCIETY AND THE ENVIRONMENT FOR SECONDARY SCHOOL TEACHERS (W006957)*; 10 MONTHS $48,271

JAMES, ROBERT K; *SUMMER INSTITUTE IN INTERMEDIATE SCIENCE CURRICULUM STUDY FOR SECONDARY SCHOOL TEACHERS (W006980)*; 10 MONTHS $53,143

DIXON, LYLE J; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007362)*; 19 MONTHS $21,154

CHELIKOWSKY, J R; *1973 SUMMER INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007631)*; 15 MONTHS $61,254

WICHITA STATE UNIVERSITY

TILFORD, MICHAEL PHILLIP; *IN-SERVICE INSTITUTE IN THE MAN MADE WORLD (ECCP) FOR SECONDARY SCHOOL TEACHERS (W007487)*; 19 MONTHS $16,628

KENTUCKY

GEORGETOWN COLLEGE

DOBYNS, ROY A; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007366)*; 19 MONTHS $6,170

MURRAY STATE UNIVERSITY

BLACKBURN, WALTER E; *SUMMER INSTITUTE IN GENERAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006975)*; 10 MONTHS $52,201

UNIVERSITY OF KENTUCKY

CUNNINGHAM, JOEL; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007315)*; 9 MONTHS $13,154

UNIVERSITY OF LOUISVILLE

BORDOLOI, KIRON C; *IN-SERVICE INSTITUTE IN SOLID-STATE ELECTRONIC DEVICES AND CIRCUITS BY THE KELLER METHOD FOR SECONDARY SCHOOL TEACHERS (W007491)*; 19 MONTHS $10,620

WESTERN KENTUCKY UNIVERSITY

HOYT, ROBERT D; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W006926)*; 10 MONTHS $29,087

LOUISIANA

GRAMBLING COLLEGE

DOUGLAS, SAMUEL H; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007004)*; 10 MONTHS $46,124

DOUGLAS, SAMUEL H; *ACADEMIC YEAR INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007061)*; 24 MONTHS $45,862

DOUGLAS, SAMUEL H; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007320)*; 19 MONTHS $11,100

LOUISIANA STATE UNIVERSITY, BATON ROUGE

MITCHELL, BENJAMIN E; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006871)*; 10 MONTHS $42,498

BERTRAND, ALVIN L; *SUMMER INSTITUTE IN SOCIOLOGY FOR SECONDARY SCHOOL TEACHERS (W006987)*; 10 MONTHS $40,750

KARNES, HOUSTON T; *ACADEMIC YEAR INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007051)*; 24 MONTHS $141,961

BENNETT, HARRY J; *IN-SERVICE INSTITUTE IN MARINE SCIENCE AND COASTAL MARSH ECOLOGY FOR SECONDARY SCHOOL TEACHERS (W007392)*; 19 MONTHS $10,945

LOYOLA UNIVERSITY

BENEDETTO, F A; *SUMMER INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W007226)*; 10 MONTHS $45,450

TODD, LEWIS J; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007345)*; 19 MONTHS $26,104

MCNEESE STATE UNIVERSITY

SPENCER, S M; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007408)*; 19 MONTHS $6,668

SOUTHEASTERN LOUISIANA UNIVERSITY

ANDREWS, NEWTON S; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007446)*; 19 MONTHS $8,738

SOUTHERN UNIVERSITY

RUFFIN, SPAULDING M; *SUMMER INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W007204)*; 10 MONTHS $57,380

TULANE UNIVERSITY

QUIGLEY, FRANK D; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006996)*; 10 MONTHS $56,023

MAINE

BOWDOIN COLLEGE

GUSTAFSON, ALTON H; *SUMMER INSTITUTE IN MARINE ECOLOGY FOR SECONDARY SCHOOL TEACHERS (W006876)*; 10 MONTHS $46,677

WHEATLAND, DAVID A; *SUMMER INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W006877)*; 10 MONTHS $40,377

CHITTIM, RICHARD L; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006885)*; 10 MONTHS $64,313

GROBE, CHARLES A JR; *ACADEMIC YEAR INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007052)*; 24 MONTHS $97,443

COLBY COLLEGE

REID, EVANS B; *SUMMER INSTITUTE IN SCIENCE AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006908)*; 10 MONTHS $74,163

UNIVERSITY OF MAINE, ORONO

MAIRHUBER, JOHN C; *SUMMER AND IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007227)*; 20 MONTHS $52,139

UNIVERSITY OF MAINE, PORTLAND-GORHAM

FOSTER, CAROLYN N; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007365)*; 19 MONTHS $6,178

MARYLAND

NONE; *OTHER PROGRAM AWARDS (06AWDS)*; $4,776

MARYLAND STATE DEPARTMENT OF EDUCATION

LATHAM, JAMES W JR; *A MULTI-STATE CONFERENCE ON ENVIRONMENTAL EDUCATION (W006808)*; 12 MONTHS $9,200

LATHAM, JAMES W JR; *A MULTI-STATE CONFERENCE ON ENVIRONMENTAL EDUCATION (W006808 001)*; $435

MORGAN STATE COLLEGE

FRASER, THOMAS P; *SUMMER AND IN-SERVICE INSTITUTE IN SCIENCE AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007035)*; 21 MONTHS $90,887

TALBOT, WALTER R; *ACADEMIC YEAR INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007040)*; 24 MONTHS $89,067

UNIVERSITY OF MARYLAND, COLLEGE PARK

FEY, JAMES T; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007001)*; 10 MONTHS $46,956

LOCKARD, J DAVID; *ACADEMIC YEAR INSTITUTE FOR SCIENCE SUPERVISORS (W007062)*; 24 MONTHS $96,604

JACKSON, STANLEY B; *IN SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007317)*; 19 MONTHS $16,591

LAYMAN, JOHN W; *IN-SERVICE INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007322)*; 19 MONTHS $17,136

GOOD, RICHARD A; *1973-74 IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007640)*; 25 MONTHS $16,208

MASSACHUSETTS

WEST, ARTHUR J; *OTHER PROGRAM AWARDS (01AWDS)*; 15 MONTHS $34,960

AMERICAN INTERNATIONAL COLLEGE

CEBULA, JOSEPH P; *IN-SERVICE INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W007384)*; 19 MONTHS $5,410

BOSTON COLLEGE

LADD, GEORGE T; *IN-SERVICE INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006805)*; 13 MONTHS $14,064

LADD, GEORGE T; *SUMMER INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006853)*; 10 MONTHS $42,607

BEZUSZKA, STANLEY J; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006875)*; 10 MONTHS $38,093

BEZUSZKA, STANLEY J; *IN SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007319)*; 19 MONTHS $19,996

LADD, GEORGE T; *IN-SERVICE INSTITUTE IN ENVIRONMENTAL SCIENCE EDUCATION FOR SECONDARY SCHOOL TEACHERS (W007504)*; 19 MONTHS $12,155

BEZUSZKA, STANLEY J; *1973-74 IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007641)*; 25 MONTHS $20,841

BOSTON STATE COLLEGE

FAIRBANKS III, GEORGE A; *IN-SERVICE INSTITUTE IN PHYSICAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007423)*; 19 MONTHS $12,550

BRIDGEWATER STATE COLLEGE

BOUTILIER, ROBERT F; *SUMMER INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007222)*; 10 MONTHS $23,325

CHICCARELLI, JOSEPH B; *IN-SERVICE INSTITUTE IN SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007331)*; 19 MONTHS $38,673

COLLEGE OF THE HOLY CROSS

GUNTER JR, ROY C; *SUMMER INSTITUTE IN OPTICS/ELECTRONICS FOR SECONDARY SCHOOL TEACHERS (W006838)*; 10 MONTHS $54,127

MACDONNELL, ROBERT B; *IN-SERVICE INSTITUTE IN PHYSICAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007426)*; 19 MONTHS $8,725

SULSKI, LEONARD C; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007439)*; 19 MONTHS $7,356

EASTERN NAZARENE COLLEGE

JOHN, FLOYD I; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007445)*; 19 MONTHS $6,765

FRAMINGHAM STATE COLLEGE

MURRAY, JOHN T; *IN-SERVICE INSTITUTE IN DESCRIPTIVE ASTRONOMY FOR SECONDARY SCHOOL TEACHERS (W007422)*; 19 MONTHS $8,668

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

ZACHARIAS, JERROLD R; *SUMMER INSTITUTE IN COURSE AND CURRICULUM DEVELOPMENT FOR SECONDARY SCHOOL TEACHERS (W007231)*; 20 MONTHS $38,911

SIMMONS COLLEGE

BELL, JERRY A; *SUMMER INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W006880)*; 10 MONTHS $25,759

WORCESTER POLYTECHNIC INSTITUTE

MORTON, RICHARD F; *SUMMER AND IN-SERVICE INSTITUTE IN SCIENCE AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007033)*; 20 MONTHS $80,722

MICHIGAN

ESHLEMAN, J ROSS; *OTHER PROGRAM AWARDS (01AWDS)*; 14 MONTHS $41,820

EASTERN MICHIGAN UNIVERSITY

MOORE, JEAN R; *IN-SERVICE INSTITUTE IN GENERAL SCIENCE-ISCS FOR SECONDARY SCHOOL TEACHERS (W007391)*; 19 MONTHS $8,980

HOPE COLLEGE

JEKEL, EUGENE C; *SUMMER INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W006821)*; 10 MONTHS $63,710

FOLKERT, JAY E; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006845)*; 10 MONTHS $53,603

FOLKERT, JAY E; *1973 SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007629)*; 15 MONTHS $54,905

MICHIGAN STATE UNIVERSITY

WAGNER, JOHN; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006824)*; 10 MONTHS $47,037

PEABODY, FRANK R; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W006887)*; 10 MONTHS $90,844

WAGNER, JOHN; *SHORT COURSE ON MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007295)*; 10 MONTHS $19,645

WOODBY, LAUREN G; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007372)*; 19 MONTHS $12,440

NORTHERN MICHIGAN UNIVERSITY

ALLENSTEIN, R V; *SUMMER INSTITUTE IN GENERAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006976)*; 10 MONTHS $29,906

UNIVERSITY OF DETROIT

MEHLENBACHER, LYLE E; *SUMMER AND IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007038)*; 20 MONTHS $58,181

MEHLENBACHER, LYLE E; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007368)*; 19 MONTHS $9,513

WAYNE STATE UNIVERSITY

HOOPER, HENRY O; *SUMMER INSTITUTE IN GENERAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006964)*; 10 MONTHS $9,407

SLABY, HAROLD T; *SUMMER AND IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007039)*; 20 MONTHS $77,594

STEVENS, CALVIN L; *ACADEMIC YEAR INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W007058)*; 24 MONTHS $104,668

ROSSMOORE, HAROLD; *IN-SERVICE INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007414)*; 19 MONTHS $11,318

WESTERN MICHIGAN UNIVERSITY

ESHLEMAN, J ROSS; *SUMMER INSTITUTE IN SOCIOLOGY FOR SECONDARY SCHOOL TEACHERS (W006823)*; 10 MONTHS $59,807

CLARKE, A BRUCE; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006845)*; 10 MONTHS $74,838

HELLER, CHARLES; *SUMMER INSTITUTE IN GEOGRAPHY FOR SECONDARY SCHOOL TEACHERS (W007007)*; 10 MONTHS $55,933

GOODNIGHT, CLARENCE J; *IN-SERVICE INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007340)*; 19 MONTHS $16,760

MALLINSON, GEORGE G; *IN-SERVICE INSTITUTE IN SCIENCE AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007356)*; 19 MONTHS $20,671

UNIVERSITY OF MICHIGAN-DEARBORN CAMPUS

GELDERLOOS, ORIN G; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007237)*; 20 MONTHS $52,458

MINNESOTA

WELCH, WAYNE W; *OTHER PROGRAM AWARDS (01AWDS)*; 12 MONTHS $37,720

BEMIDJI STATE COLLEGE

WINTER, WESLEY W; *SUMMER INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W006958)*; 10 MONTHS $47,483

SMITH, GERALD J; *IN-SERVICE INSTITUTE IN GENERAL SCIENCE AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007416)*; 19 MONTHS $12,015

ST CLOUD STATE COLLEGE

HOPKINS, HAROLD; *SUMMER INSTITUTE IN BIOLOGY, CHEMISTRY AND PHYSICS FOR SECONDARY SCHOOL TEACHERS (W006901)*; 10 MONTHS $42,030

HOPKINS, HAROLD; *IN-SERVICE INSTITUTE IN ENVIRONMENTAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007421)*; 19 MONTHS $8,428

ST MARYOS COLLEGE

SEVERIN, CHARLES; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W006965)*; 10 MONTHS $70,202

SEVERIN, BRO CHARLES; *IN-SERVICE INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007469)*; 19 MONTHS $10,755

UNIVERSITY OF MINNESOTA

WELCH, WAYNE W; *RESEARCH ON THE DESIGN IMPLEMENTATION, AND EFFICACY OF THE NSF PROGRAM OF COMPREHENSIVE GRANTS FOR TEACHER EDUCATION (W006800)*; 12 MONTHS $108,698

WELCH, WAYNE W; *RESEARCH ON THE DESIGN IMPLEMENTATION AND EFFICACY OF THE NSF PROGRAM OF COMPREHENSIVE GRANTS FOR TEACHER EDUCATION (W006800 001)*; 12 MONTHS $115,204

HOBBIE, RUSSELL K; *SUMMER INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W006992)*; 10 MONTHS $55,521

LEWIS, DARRELL R; *IN-SERVICE INSTITUTE IN ECONOMICS FOR SECONDARY SCHOOL TEACHERS (W007480)*; 19 MONTHS $9,218

MISSISSIPPI

ALCORN AGRICULTURAL AND MECHANICAL COLLEGE

PARKER, HENRY L; *IN-SERVICE INSTITUTE IN SCIENCE AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007494)*; 19 MONTHS $15,652

JACKSON STATE COLLEGE

UZODINMA, JOHN E; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007030)*; 10 MONTHS $56,328

MISSISSIPPI STATE UNIVERSITY

TILLEY, JOHN L; *SUMMER INSTITUTE IN SCIENCE AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006827)*; 10 MONTHS $41,211

MISSISSIPPI VALLEY STATE COLLEGE

PILLAI, THANUMALAYA P; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007490)*; 19 MONTHS $8,980

UNIVERSITY OF MISSISSIPPI

HUNEYCUTT, M B; *COMPREHENSIVE PROJECT FOR SECONDARY SCHOOL TEACHERS OF SCIENCE (W006368 001)*; 12 MONTHS $485,675

UNIVERSITY OF SOUTHERN MISSISSIPPI

SONNIER, ISADORE L; *SUMMER AND IN-SERVICE INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007034)*; 20 MONTHS $67,506

MISSOURI

DRURY COLLEGE

ROGERS, PAUL; *IN-SERVICE INSTITUTE IN BASIC ECONOMICS FOR SECONDARY SCHOOL TEACHERS (W007380)*; 10 MONTHS $5,108

LINDENWOOD COLLEGE

DELANEY JR, PATRICK F; *IN-SERVICE INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007327)*; 19 MONTHS $6,965

NORTHEAST MISSOURI STATE COLLEGE

ROSEBERY, DEAN A; *SUMMER INSTITUTE IN ECOLOGY FOR SECONDARY SCHOOL TEACHERS (W006829)*; 20 MONTHS $52,992

NORTHWEST MISSOURI STATE COLLEGE

DEVORE, ELWIN K; *IN-SERVICE INSTITUTE IN BASIC ECONOMICS FOR SECONDARY SCHOOL TEACHERS (W007379)*; 19 MONTHS $6,795

SOUTHEAST MISSOURI STATE COLLEGE

EWBANK, WAYNE E; *IN-SERVICE INSTITUTE IN BASIC ECONOMICS FOR SECONDARY SCHOOL TEACHERS (W007378)*; 19 MONTHS $6,193

ST LOUIS UNIVERSITY

ANDREWS, JOHN J; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006948)*; 10 MONTHS $33,031

ANDREWS, JOHN J; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007463)*; 19 MONTHS $8,768

UNIVERSITY OF MISSOURI, COLUMBIA

BURCHAM, PAUL B; *SUMMER INSTITUTE FOR SECONDARY SCHOOL TEACHERS (W006262 001)*; 11 MONTHS $7,941

KUHLMAN, JOHN M; *ACADEMIC YEAR INSTITUTE IN ADVANCED ECONOMICS FOR SECONDARY SCHOOL TEACHERS (W007044)*; 24 MONTHS $142,612

OCONNOR, WILLIAM C; *IN-SERVICE INSTITUTE IN BASIC ECONOMICS FOR SECONDARY SCHOOL TEACHERS (W007374)*; 19 MONTHS $23,381

UNIVERSITY OF MISSOURI, KANSAS CITY

HUBBELL, KENNETH; *IN-SERVICE INSTITUTE IN BASIC ECONOMICS FOR SECONDARY SCHOOL TEACHERS (W007375)*; 19 MONTHS $4,674

ANDERSON, ROBERT G; *IN-SERVICE INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007437)*; 19 MONTHS $15,516

UNIVERSITY OF MISSOURI, ROLLA

FULLER, HAROLD Q; *SUMMER INSTITUTE IN PHYSICAL SCIENCES AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006828)*; 10 MONTHS $75,804

ADAMS, CURTIS; *IN-SERVICE INSTITUTE IN BASIC ECONOMICS FOR SECONDARY SCHOOL TEACHERS (W007376)*; 19 MONTHS $5,347

UNIVERSITY OF MISSOURI, ST LOUIS

MCKENNA, JOSEPH P; *IN-SERVICE INSTITUTE IN BASIC ECONOMICS FOR SECONDARY SCHOOL TEACHERS (W007377)*; 19 MONTHS $5,666

MONTANA

MONTANA STATE UNIVERSITY

AMEND, JOHN R; *SUMMER INSTITUTE IN NUCLEAR AND INSTRUMENTAL CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W006879)*; 10 MONTHS $35,958

MONTANA SUPERINTENDENT OF PUBLIC INSTRUCTION

NICHOLSON, ALAN D; *IN SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007347)*; 19 MONTHS $45,120

UNIVERSITY OF MONTANA

TIBBS, JOHN F; *SUMMER INSTITUTE IN FIELD BOTANY FOR SECONDARY SCHOOL TEACHERS (W006851)*; 10 MONTHS $29,133

MYERS, WILLIAM M; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006986)*; 10 MONTHS $60,715

NEBRASKA

NEBRASKA WESLEYAN UNIVERSITY

FRENCH JR, WALTER R; *SUMMER INSTITUTE FOR SECONDARY SCHOOL TEACHERS (W007032)*; 10 MONTHS $65,580

UNIVERSITY OF NEBRASKA AT LINCOLN

SCHNEIDER, HUBERT H; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006923)*; 10 MONTHS $44,970

DAVIDSON, JOHN F; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007031)*; 10 MONTHS $27,562

BECKMANN, MILTON W; *SHORT COURSE ON MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007296)*; 10 MONTHS $16,198

UNIVERSITY OF NEBRASKA AT OMAHA

BROOKS, MERLE E; *IN-SERVICE INSTITUTE IN CHEMISTRY, PHYSICS, BIOLOGY AND SCIENCE EDUCATION FOR SECONDARY SCHOOL TEACHERS (W007496)*; 19 MONTHS $16,287

NEVADA

UNIVERSITY OF NEVADA, RENO

TRENT, JOHN H; *IN-SERVICE INSTITUTE IN ENVIRONMENTAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007495)*; 19 MONTHS $10,213

NEW HAMPSHIRE

DARTMOUTH COLLEGE

BALLARD, WILLIAM W; *IN-SERVICE INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007425)*; 19 MONTHS $8,585

UNIVERSITY OF NEW HAMPSHIRE DURHAM

AMELL, ALEXANDER R; *SUMMER INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W006850)*; 10 MONTHS $59,602

BALOMENOS, RICHARD H; *SUMMER INSTITUTE IN MATHEMATICS CURRICULUM FOR SECONDARY SCHOOL TEACHERS (W006929)*; 20 MONTHS $45,084

BALOMENOS, RICHARD H; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006962)*; 20 MONTHS $69,114

NEW JERSEY

DREW UNIVERSITY

GREENSPAN, BERNARD; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007014)*; 10 MONTHS $51,348

GREENSPAN, BERNARD; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007405)*; 19 MONTHS $9,268

MONTCLAIR STATE COLLEGE

MALETSKY, EVAN M; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006865)*; 10 MONTHS $60,963

ZABADY, ALBERT; *IN-SERVICE INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W007355)*; 19 MONTHS $12,517

NEWARK COLLEGE OF ENGINEERING

LANDSMAN, LEON D; *IN-SERVICE INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W007359)*; 19 MONTHS $7,897

DROUGHTON, JOHN; *IN-SERVICE INSTITUTE IN URBAN AND ENVIRONMENTAL ENGINEERING FOR SECONDARY SCHOOL TEACHERS (W007363)*; 19 MONTHS $7,740

PRINCETON UNIVERSITY

DORF, ERLING; *SHORT COURSE ON GEOLOGY FOR SECONDARY SCHOOL TEACHERS (W007302)*; 10 MONTHS $24,556

RUTGERS UNIVERSITY

BARLAZ, JOSHUA; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006846)*; 10 MONTHS $92,388

ST PETER0S COLLEGE

VARRICHIO, FRANCIS A; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007492)*; 19 MONTHS $8,725

NEW MEXICO

NEW MEXICO HIGHLANDS UNIVERSITY

AMAI, ROBERT L S; *SUMMER INSTITUTE IN SCIENCE AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006959)*; 10 MONTHS $51,804

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY

SMITH, CLAY; *IN-SERVICE INSTITUTE IN ENVIRONMENTAL EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007485)*; 19 MONTHS $10,783

UNIVERSITY OF NEW MEXICO

MITCHELL, MERLE; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006861)*; 10 MONTHS $59,324

NEW YORK

NONE; *OTHER PROGRAM AWARDS (01AWDS)*; $8,554

ADELPHI UNIVERSITY

BETTELHEIM, FREDERICK A; *SUMMER AND IN-SERVICE INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W007036)*; 20 MONTHS $37,298

LEVINE, EUGENE; *SUMMER AND IN-SERVICE INSTITUTES IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007037)*; 20 MONTHS $82,929

SIRKIN, LESLIE A; *IN-SERVICE INSTITUTE IN ENVIRONMENTAL AWARENESS FOR SECONDARY SCHOOL TEACHERS (W007409)*; 19 MONTHS $8,456

BROOKHAVEN LABORATORY

PRICE, GLENN A; *IN-SERVICE INSTITUTE IN THE FORMS AND USES OF ENERGY- BASIC SCIENTIFIC CONCEPTS AND THEIR DEVELOPMENT FOR SECONDARY SCHOOL TEACHERS (AG00346)*; 19 MONTHS $8,575

BROOKLYN COLLEGE

HALPERN, ALVIN; *SUMMER AND IN-SERVICE INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W006863)*; 20 MONTHS $59,671

JORDAN, MEYER; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007406)*; 10 MONTHS $24,797

CITY COLLEGE

KREMER, CHESTER B; *IN-SERVICE INSTITUTE IN ENVIRONMENTAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007457)*, 19 MONTHS $21,299

CLARKSON COLLEGE OF TECHNOLOGY

JONES JR, GEORGE L; *SUMMER INSTITUTE IN MULTIPLE FIELDS FOR SECONDARY SCHOOL TEACHERS (W006892)*; 10 MONTHS $79,570

COLLEGE AT BUFFALO

SCHEFLER, WILLIAM C; *IN-SERVICE INSTITUTE IN POPULATION AND ENVORONMENTAL PROBLEMS FOR SECONDARY SCHOOL TEACHERS (W007371)*; 19 MONTHS $7,564

ZINGARO, JOSEPH S; *IN-SERVICE INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W007456)*; 19 MONTHS $8,056

COLLEGE AT GENESEO

SELLS, ROBERT L; *SUMMER INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W006994)*; 10 MONTHS $51,497

COLLEGE AT NEW PALTZ

WALKER, DONALD A; *SUMMER INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W007002)*; 10 MONTHS $32,947

COLLEGE AT OSWEGO

MARSH, LELAND C; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007010)*; 20 MONTHS $50,369

SALISBURY, ROBERT L; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007012)*; 10 MONTHS $35,943

COLLEGE AT POTSDAM

MAJOR, ALEXANDER G; *SUMMER INSTITUTE IN GENERAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006925)*; 10 MONTHS $56,258

FORDHAM UNIVERSITY

BRANDE, REV EDWARD W; *SUMMER AND IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007199)*, 20 MONTHS $84,758

HAMILTON COLLEGE

GERE, BREWSTER H; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007223)*, 10 MONTHS $51,307

HOFSTRA UNIVERSITY

DAVIS, JERRY B; *IN-SERVICE INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007408)*; 19 MONTHS $9,217

MANHATTAN COLLEGE

OCONNOR, C LEONARD; *SUMMER INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W006902)*; 10 MONTHS $15,744

MCNAMARA, B JOHN; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007369)*; 19 MONTHS $15,410

NEW YORK UNIVERSITY

BURROW, MARTIN D; *IN SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY TEACHERS (W007335)*, 19 MONTHS $89,133

PACE COLLEGE

KONDE, ANTHONY J; *IN-SERVICE INSTITUTE IN CHEMISTRY AND ASTRONOMY FOR SECONDARY SCHOOL TEACHERS (W007451)*; 19 MONTHS $14,079

POLYTECHNIC INSTITUTE OF BROOKLYN

LIAO, THOMAS; *SUMMER INSTITUTE IN ENGINEERING CONCEPTS CURRICULUM PROJECT (EECP) FOR SECONDARY SCHOOL TEACHERS (W007023)*; 10 MONTHS $39,337

FISCHER, GEORGE J; *SUMMER INSTITUTE IN CHEMISTRY & PHYSICS FOR SECONDARY SCHOOL TEACHERS (W007024)*; 10 MONTHS $38,428

SOEHNGEN, HENRY F; *SHORT COURSE ON MUNICIPAL WASTE DISPOSAL FOR SECONDARY SCHOOL TEACHERS (W007298)*; 10 MONTHS $14,213

PRATT INSTITUTE

OGORMAN, JOHN MICHAEL; *SUMMER INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W007209)*; 10 MONTHS $35,336

QUEENS COLLEGE

ZEVIN, JACK; *IN-SERVICE INSTITUTE IN SOCIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007489)*; 19 MONTHS $23,531

RENSSELAER POLYTECHNIC INSTITUTE

BUNCE, STANLEY C; *SUMMER INSTITUTE IN MULTIPLE FIELDS FOR SECONDARY SCHOOL TEACHERS (W006936)*; 10 MONTHS $96,905

EPPENSTEIN, WALTER; *SUMMER INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W006997)*; 10 MONTHS $55,773

STATE UNIVERSITY AT ALBANY

BOEHM, THOMAS A; *SUMMER INSTITUTE IN GENERAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007003)*; 10 MONTHS $47,041

HERLIHY, JOHN G; *IN-SERVICE INSTITUTE IN MAN-A COURSE STUDY FOR SECONDARY SCHOOL TEACHERS (W007458)*; 19 MONTHS $13,643

STATE UNIVERSITY AT BINGHAMTON

COATES, DONALD R; *IN-SERVICE INSTITUTE IN MAN A COURSE OF STUDY FOR SECONDARY SCHOOL TEACHERS (W007388)*; 19 MONTHS $5,981

STATE UNIVERSITY AT BUFFALO

CAVIOR, STEPHAN R; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006939)*; 10 MONTHS $40,116

SYRACUSE UNIVERSITY

SCHAFF, JOHN; *1971 SUMMER INSTITUTE IN GENERAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006235 001)*; $4,509

EXNER, ROBERT M; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006907)*; 10 MONTHS $45,150

SCHAFER, LARRY; *SUMMER INSTITUTE IN GENERAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006947)*; 10 MONTHS $48,415

GINSBURG, NATHAN; *SUMMER INSTITUTE IN PHYSICS AND CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W006979)*; 10 MONTHS $41,460

COLLETTE, ALFRED T; *ACADEMIC YEAR INSTITUTE IN THE PREPARATION OF SCIENCE SUPERVISORS FOR SECONDARY SCHOOL TEACHERS (W007059)*; 24 MONTHS $100,535

COLLETTE, ALFRED T; *IN-SERVICE INSTITUTE IN PHYSICAL SCIENCE -ISCS FOR SECONDARY SCHOOL TEACHERS (W007394)*; 19 MONTHS $9,904

TEACHERS COLLEGE

VOGELI, BRUCE R; *SCHOOL INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007008)*; 10 MONTHS $51,849

UNION COLLEGE

GILLETTE, EDWIN F; *SUMMER INSTITUTE IN MULTIPLE FIELDS FOR SECONDARY SCHOOL TEACHERS (W006953)*; 10 MONTHS $109,808

GILLETTE, EDWIN F; *IN-SERVICE INSTITUTE IN COMPUTER SCIENCE AND CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W007404)*; 19 MONTHS $13,419

VASSAR COLLEGE

JOHNSEN, JOHN H; *SUMMER INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007213)*; 10 MONTHS $45,923

YESHIVA UNIVERSITY

GELBART, ABE; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007454)*; 19 MONTHS $109,850

AMERICAN MUSEUM OF NATURAL HISTORY-HAYDEN PLANETARIUM

CHARTRAND III, MARK R; *SHORT COURSE ON ASTRONOMY FOR SECONDARY SCHOOL TEACHERS (W007299)*; 10 MONTHS $16,358

NORTH CAROLINA

DUKE UNIVERSITY

GITHENS JR, SHERWOOD; *SUMMER INSTITUTE IN SCIENCE AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006954)*; 10 MONTHS $100,246

EAST CAROLINA UNIVERSITY

SHEPPARD, MOSES M; *SUMMER INSTITUTE IN GENERAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007215)*; 10 MONTHS $67,651

SOWELL, KATYE O; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007417)*; 19 MONTHS $11,987

ELIZABETH CITY STATE UNIVERSITY

SUTTON, LOUISE N; *SUMMER AND IN-SERVICE INSTITUTE IN PHYSICAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007197)*, 20 MONTHS $60,850

MARS HILL COLLEGE

OUTTEN, L M; *SHORT COURSE ON BIOLOGY (BSCS GREEN VERSION) FOR SECONDARY SCHOOL TEACHERS (W007310)*; 10 MONTHS $9,023

NORTH CAROLINA ACADEMY OF SCIENCE

REARDON, ANNA JOYCE; *IN-SERVICE INSTITUTE IN RECENT ADVANCES IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W007337)*; 19 MONTHS $5,261

NORTH CAROLINA AGRICULTURAL & TECH STATE UNIV

GRAVES, ARTIS P; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W006866)*; 10 MONTHS $53,917

UNIVERSITY OF NORTH CAROLINA AT ASHEVILLE

SQUIBB, S DEXTER; *IN-SERVICE INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W007440)*; 19 MONTHS $7,509

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

HOUNSHELL, PAUL B; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W006924)*; 10 MONTHS $41,888

WHITE, WILLIAM A; *IN-SERVICE INSTITUTE IN PHYSICAL GEOLOGY FOR SECONDARY SCHOOL TEACHERS (W007444)*; 19 MONTHS $7,927

WAKE FOREST UNIVERSITY

SEELBINDER, BEN M; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007400)*; 19 MONTHS $11,072

WESTERN CAROLINA UNIVERSITY

CHAPMAN, JOHN J; *SUMMER INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006999)*; 10 MONTHS $52,107

NORTH DAKOTA

MINOT STATE COLLEGE

BICKEL, DAVID; *SUMMER INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007210)*; 10 MONTHS $31,460

NORTH DAKOTA STATE UNIVERSITY

BROBERG, JOEL W; *SUMMER INSTITUTE IN CHEMISTRY, PHYSICS AND ZOOLOGY FOR SECONDARY SCHOOL TEACHERS (W006961)*; 10 MONTHS $38,033

KOOB, ROBERT D; *IN-SERVICE INSTITUTE IN CHEMISTRY VIDEO TAPED FOR SECONDARY SCHOOL TEACHERS (W007501)*; 19 MONTHS $12,282

UNIVERSITY OF NORTH DAKOTA

BEHRINGER, M P; *SUMMER INSTITUTE IN SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006968)*; 10 MONTHS $64,813

HOWELL, FRANCIS L; *IN-SERVICE INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W007354)*; 19 MONTHS $9,710

RAMSETT, DAVID E; *IN-SERVICE INSTITUTE IN ELEMENTARY ECONOMICS AND ECONOMIC EDUCATION FOR SECONDARY SCHOOL TEACHERS (W007443)*; 19 MONTHS $9,113

OHIO

ANTIOCH COLLEGE

CORWIN, JAMES F; *SUMMER INSTITUTE IN GENERAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006903)*; 10 MONTHS $87,520

ASHLAND COLLEGE

TARBUCK, GEORGE; *IN-SERVICE INSTITUTE IN ECONOMICS FOR SECONDARY SCHOOL TEACHERS (W007486)*; 19 MONTHS $9,700

BALDWIN-WALLACE COLLEGE

MILLER, JOHN W; *SHORT COURSE ON THE LABORATORY CULTURE AND USE OF MARINE ORGANISMS FOR SECONDARY SCHOOL TEACHERS (W007304)*; 10 MONTHS $9,687

BOWLING GREEN STATE UNIVERSITY

LEETCH, J FREDERICK; *1970-71 ACADEMIC YEAR INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W004814 001)*; 9 MONTHS $1,866

KIRBY, WILLIAM A; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006830)*; 10 MONTHS $48,231

HALL, W H; *SUMMER INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W006988)*; 10 MONTHS $74,961

LEETCH, J FREDERICK; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007323)*; 19 MONTHS $20,496

LEETCH, J FREDERICK; *1973-74 IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007638)*; 25 MONTHS $19,306

CENTRAL STATE UNIVERSITY

HOLMES, DEFIELD T; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007028)*; 10 MONTHS $44,893

JOHN CARROLL UNIVERSITY

NASH, HARRY C; *SUMMER INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W006960)*; 10 MONTHS $6,818

NASH, HARRY C; *IN-SERVICE INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W007484)*; 19 MONTHS $14,113

NASH, HARRY C; *IN-SERVICE INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W007475)*; 19 MONTHS $14,264

NASH, HARRY C; *IN-SERVICE INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W007475 001)*; $5,800

KENT STATE UNIVERSITY

CUMMINS, KENNETH B; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006847)*; 10 MONTHS $58,949

CUMMINS, KENNETH B; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007325)*; 19 MONTHS $10,678

PHILLIPS JR, JAMES A; *IN-SERVICE INSTITUTE IN SOCIAL SCIENCE MAN- A COURSE OF STUDY-CDA NETWORK FOR SECONDARY SCHOOL TEACHERS (W007473)*; 19 MONTHS $10,967

MIAMI UNIVERSITY

WEIDNER, BRUCE V; *SUMMER INSTITUTE IN MULTIPLE FIELDS FOR SECONDARY SCHOOL TEACHERS (W006888)*; 10 MONTHS $58,651

VAUGHN, CHARLES M; *IN-SERVICE INSTITUTE IN AQUATIC BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007420)*; 19 MONTHS $9,689

OHIO DOMINICAN COLLEGE

MATESICH, SR MARY ANDREW; *IN-SERVICE INSTITUTE IN BIOLOGY AND CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W007441)*; 19 MONTHS $5,822

OHIO STATE UNIVERSITY

SPIEKER, EDMUND M; *SUMMER INSTITUTE IN GEOLOGY FOR SECONDARY SCHOOL TEACHERS (W006910)*; 10 MONTHS $54,963

RINER, JOHN; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006970)*; 10 MONTHS $90,423

MAYER, VICTOR J; *SUMMER INSTITUTE IN ENVIRONMENTAL SCIENCES FOR SECONDARY SCHOOL TEACHERS (W007021)*; 20 MONTHS $81,294

MAYER, VICTOR J; *SHORT COURSE ON JUNIOR HIGH SCHOOL SCIENCE PROGRAMS FOR PRINCIPALS AND CURRICULUM SUPERVISORS (W007306)*; 10 MONTHS $15,696

RILEY, WILLIAM R; *IN SERVICE INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W007332)*; 19 MONTHS $11,930

MAYER, VICTOR J; *IN-SERVICE INSTITUTE IN ASTRONOMY (IAP) FOR SECONDARY SCHOOL TEACHERS (W007432)*; 19 MONTHS $9,962

OHIO UNIVERSITY

WARMKE, ROMAN; *1970-71 IN-SERVICE INSTITUTE IN ECONOMIC EDUCATION FOR SECONDARY SCHOOL TEACHERS (W005616 001)*; 11 MONTHS $1,300

MALCOM, PAUL S; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006869)*; 10 MONTHS $45,209

WARMKE, ROMAN F; *SUMMER INSTITUTE IN CONSUMER ECONOMICS FOR SECONDARY SCHOOL TEACHERS (W006991)*; 10 MONTHS $47,201

DRAAYER, GERALD F; *IN-SERVICE INSTITUTE IN ECONOMIC EDUCATION FOR SECONDARY SCHOOL TEACHERS (W007458)*; 19 MONTHS $17,022

OHIO WESLEYAN UNIVERSITY

RUSSELL, LEONARD N; *SUMMER INSTITUTE IN PHYSICAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006984)*; 10 MONTHS $61,950

UNIVERSITY OF CINCINNATI

ROLWING, RAYMOND H; *1971-72 ACADEMIC YEAR INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006362 001)*; $7,638

HUETHER, CARL A; *SUMMER INSTITUTE ON THE POPULATION EXPLOSION FOR SECONDARY SCHOOL TEACHERS (W007019)*; 10 MONTHS $44,728

ROLWING, RAYMOND H; *ACADEMIC YEAR INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007049)*; 24 MONTHS $135,945

ROLWING, RAYMOND H; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007373)*; 19 MONTHS $24,303

UNIVERSITY OF DAYTON

MUSHENHEIM, H G; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006889)*; 10 MONTHS $58,123

UNIVERSITY OF TOLEDO

GIBNEY, THOMAS C; *CONTRACT FOR AN EVALUATION OF SUMMER INSTITUTES FOR SECONDARY SCHOOL TEACHERS OF SCIENCES AND MATHEMATICS (C677000)*; 12 MONTHS $63,934

OKLAHOMA

NORTHWESTERN STATE COLLEGE

ROGERS, STEARNS WALTER; *IN-SERVICE INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007401)*; 19 MONTHS $6,810

OKLAHOMA STATE UNIVERSITY

KOPECKY, H P; *SUMMER INSTITUTE IN ECONOMICS FOR SECONDARY SCHOOL TEACHERS (W006862)*; 10 MONTHS $64,245

STONE, JOHN E; *SUMMER INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006945)*; 10 MONTHS $34,218

PURVIS, J ROBERT; *IN-SERVICE INSTITUTE IN MAN- A COURSE OF STUDY (ANTHROPOLOGY) FOR SECONDARY SCHOOL TEACHERS (W007498)*; 19 MONTHS $11,702

SOUTHEASTERN STATE COLLEGE

DWIGHT, LESLIE A; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006906)*; 10 MONTHS $59,860

SOUTHWESTERN STATE COLLEGE

HAMM, DONALD I; *SUMMER INSTITUTE IN GENERAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006822)*; 10 MONTHS $60,928

MCKELLIPS, RAYMOND L; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006836)*; 10 MONTHS $61,177

MCKELLIPS, RAYMOND L; *1973 SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007632)*; 24 MONTHS $61,199

UNIVERSITY OF OKLAHOMA

ANDREE, RICHARD V; *1970-71 IN-SERVICE INSTITUTE IN COMPUTER PROGRAMMING AND RELATED MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W005574 001); $1,702

STOEVER JR, EDWARD C; *SUMMER INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W006915); 10 MONTHS $67,286

STOEVER JR, EDWARD C; *SUMMER INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W006927); 10 MONTHS $63,756

LARSH, HOWARD W; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS* (W006932); 10 MONTHS $69,544

LEVY, GENE; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W006933); 10 MONTHS $57,539

STOEVER JR, EDWARD C; *ACADEMIC YEAR INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W007057); 24 MONTHS $151,352

ANDREE, RICHARD V; *IN-SERVICE INSTITUTE IN COMPUTER PROGRAMMING AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W007459); 19 MONTHS $49,999

OREGON

EDUCATIONAL COORDINATING COUNCIL

MAIER, EUGENE A; *OREGON SYSTEM IN MATHEMATICS EDUCATION (SUMMER PORTION)* (W006817); 7 MONTHS $194,253

MAIER, EUGENE A; *OREGON SYSTEM IN MATHEMATICS EDUCATION* (W004817 001); 12 MONTHS $846,252

OREGON COLLEGE OF EDUCATION

REDBIRD-SELAM, HELEN M; *SUMMER INSTITUTE IN SOCIOLOGY FOR SECONDARY SCHOOL TEACHERS* (W007207); 20 MONTHS $62,843

GALLAGHER, JAMES W; *SUMMER INSTITUTE IN GEOGRAPHY FOR SECONDARY SCHOOL TEACHERS* (W007236); 10 MONTHS $71,[illegible]

OREGON STATE UNIVERSITY

FOX, FRED W; *SUMMER INSTITUTE IN MULTIPLE FIELDS FOR SECONDARY SCHOOL TEACHERS* (W006904); 10 MONTHS $56,479

WILLIAMSON, STANLEY E; *ACADEMIC YEAR INSTITUTE IN BASIC SCIENCES (EMPHASIS ON PHYSICAL SCIENCE) FOR SECONDARY SCHOOL TEACHERS* (W007048); 24 MONTHS $137,187

SIMONS, WILLIAM H; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W007233); 10 MONTHS $11,500

REED COLLEGE

DAVIS, KENNETH E; *IN-SERVICE INSTITUTE IN ENGINEERING CONCEPTS CURRICULUM PROJECT FOR SECONDARY SCHOOL TEACHERS* (W007450); 19 MONTHS $6,939

SOUTHERN OREGON COLLEGE

MCCOY, ROBERT A; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W006[illegible]); 10 MONTHS $11,500

PURDOM, WILLIAM B; *SUMMER INSTITUTE IN SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W007009); 10 MONTHS $55,157

UNIVERSITY OF OREGON - EUGENE

MOURSUND, A F; *1970-71 ACADEMIC YEAR INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W004798 001); $2,121

MOURSUND, DAVID G; *SUMMER INSTITUTE IN COMPUTER SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W007232); 10 MONTHS $11,5[illegible]

MOURSUND, A F; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W007235); 10 MONTHS $11,500

UNIVERSITY OF PORTLAND

WACK, PAUL E; *SUMMER INSTITUTE IN INTEGRATED PHYSICS-CHEMISTRY FOR SECONDARY SCHOOL TEACHERS* (W006905); 10 MONTHS $51,621

PENNSYLVANIA

BEAVER COLLEGE

BREYER, ARTHUR C; *SUMMER INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS* (W006832); 10 MONTHS $66,992

CAMERON, SAMUEL M; *SUMMER INSTITUTE IN SOCIAL SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W007228); 10 MONTHS $60,570

CARLOW COLLEGE

URICCHIO, WILLIAM A; *IN-SERVICE INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS* (W007357); 19 MONTHS $11,891

DREXEL UNIVERSITY

FIELDS, EWAUGH F; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W007211); 10 MONTHS $35,205

HAMMAN, ROBERT L; *SUMMER AND IN-SERVICE INSTITUTE IN ECONOMICS FOR SECONDARY SCHOOL TEACHERS* (W007229); 20 MONTHS $60,370

EDINBORO STATE COLLEGE

SCHNEIDER, MICHAEL C; *IN-SERVICE INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W007358); 19 MONTHS $18,216

FRANKLIN AND MARSHALL COLLEGE

KAUFFMAN, MARVIN E; *SUMMER INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W006878); 10 MONTHS $77,064

KAUFFMAN, MARVIN E; *1973 SUMMER INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W007636); 15 MONTHS $73,577

GANNON COLLEGE

ZAGORSKI, STANLEY J; *IN-SERVICE INSTITUTE IN ENVIRONMENTAL SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W007348); 19 MONTHS $13,983

LAFAYETTE COLLEGE

SAALFRANK, CHARLES W; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY TEACHERS* (W007466); 19 MONTHS $11,195

LEHIGH UNIVERSITY

TAYLOR, DOUGLAS H; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W006825); 10 MONTHS $39,902

MILLERSVILLE STATE COLLEGE

MCILWAINE, WILLIAM B; *IN-SERVICE INSTITUTE IN BIOLOGY AND EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W007397); 19 MONTHS $17,208

PENNSYLVANIA STATE UNIVERSITY

HEIMER, RALPH T; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS AND SUPERVISORS* (W007017); 10 MONTHS $42,337

BELL, PAUL E; *SUMMER INSTITUTE IN GENERAL SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W007022); 10 MONTHS $48,585

JANSSON, LARS C; *IN-SERVICE INSTITUTE IN MATHEMATICS AND COMPUTERS FOR SECONDARY TEACHERS* (W007483); 19 MONTHS $14,758

SETON HILL COLLEGE

RACZKOWSKI, BARBARA; *SUMMER INSTITUTE IN ENVIRONMENTAL SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W007203); 10 MONTHS $48,177

TEMPLE UNIVERSITY

SLOOK, THOMAS H; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W007419); 19 MONTHS $13,436

SCHMUCKLER, JOSEPH S; *IN-SERVICE INSTITUTE IN INSTRUMENTAL METHODS FOR SECONDARY SCHOOL TEACHERS* (W007424); 19 MONTHS $8,354

MARTORELLA, PETER H; *IN-SERVICE INSTITUTE IN ANTHROPOLOGY- FOCUS ON THE URBAN WORLD FOR SECONDARY SCHOOL TEACHERS* (W007481); 19 MONTHS $17,905

THIEL COLLEGE

INGERSOLL, RONALD J; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS* (W007202); 10 MONTHS $37,[illegible]

UNIVERSITY OF PENNSYLVANIA

GEORGE, KENNETH D; *IN-SERVICE INSTITUTE IN ENGINEERING CONCEPTS CURRICULUM PROJECT FOR SECONDARY SCHOOL TEACHERS* (W007442); 19 MONTHS $14,195

GIRAULT, EMILY S; *IN-SERVICE INSTITUTE IN ANTHROPOLOGY AND SOCIOLOGY FOR SECONDARY SCHOOL TEACHERS* (W007449); 19 MONTHS $22,373

UNIVERSITY OF SCRANTON

BEIDLER, JOHN; *SUMMER INSTITUTE IN MATHEMATICS AND COMPUTER SCIENCE FOR SECONDARY SCHOOL TEACHERS* (W006819); 6 MONTHS $30,140

STRICKLAND, HARRY B; *IN SERVICE INSTITUTE IN SCIENCE FOR SECONDARY TEACHERS* (W007465); 19 MONTHS $13,875

VILLANOVA UNIVERSITY

EHRMANN, SR M CORDIA; *IN-SERVICE INSTITUTE IN SCIENCE AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W007338); 19 MONTHS $34,351

WEST CHESTER STATE COLLEGE

BRANTON, RICHARD G; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W007470); 19 MONTHS $24,706

PENNSYLVANIA STATE UNIVERSITY-MCKEESPORT CAMPUS

FETTE, C WILLIAM; *IN-SERVICE INSTITUTE IN MODERN PHYSICS AND CHEMISTRY WITH COMPUTER APPLICATIONS FOR SECONDARY SCHOOL TEACHERS* (W007436); 19 MONTHS $11,288

PUERTO RICO

UNIVERSITY OF PUERTO RICO SYSTEM OFFICE-CAYEY UNIVERSITY COLLEGE

GARCIA, MARIANO; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (W006977); 10 MONTHS $49,764

RHODE ISLAND

BROWN UNIVERSITY

ESCHENBACHER, HERMAN F; *ACADEMIC YEAR INSTITUTE IN SCIENCE INSTRUCTION IN URBAN SCHOOLS FOR SECONDARY SCHOOL TEACHERS* (*W007045*); 24 MONTHS $44,233

SOUTH CAROLINA

CITADEL THE MILITARY COLLEGE OF SOUTH CAROLINA

INGRAHAM, J R; *1970-71 IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (*W005637 001*); 3 MONTHS $110

INGRAHAM, J R; *IN SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (*W007326*); 19 MONTHS $10,150

SOUTH CAROLINA STATE COLLEGE

ROACHE, LEWIE C; *SUMMER INSTITUTE IN SCIENCE FOR SECONDARY SCHOOL TEACHERS* (*W007025*); 10 MONTHS $47,552

ROACHE, LEWIE C; *IN-SERVICE INSTITUTE IN BIOLOGY AND CHEMISTRY FOR SECONDARY SCHOOL TEACHERS* (*W007349*); 19 MONTHS $20,298

UNIVERSITY OF SOUTH CAROLINA

WAHAB, J H; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (*W006985*); 10 MONTHS $38,229

SOUTH DAKOTA

MOUNT MARTY COLLEGE

FASBENDER, SR VERONICA; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS* (*W007205*); 10 MONTHS $47,914

UNIVERSITY OF SOUTH DAKOTA

ESTEE, CHARLES R; *COMPREHENSIVE INSTITUTIONAL PROJECT FOR IN-SERVICE TEACHER EDUCATION* (*W006365 001*); 12 MONTHS $420,067

EKMAN, WILLIAM E; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (*W006928*); 10 MONTHS $33,572

TENNESSEE

CHRISTIAN BROTHERS COLLEGE

DOODY, EDWARD; *SUMMER INSTITUTE IN INTRODUCTORY PHYSICAL SCIENCE FOR SECONDARY SCHOOL TEACHERS* (*W006998*); 10 MONTHS $59,062

FISK UNIVERSITY

HULL JR, GEORGE; *SUMMER INSTITUTE IN MULTIPLE FIELDS FOR SECONDARY SCHOOL TEACHERS* (*W006909*); 10 MONTHS $64,780

GEORGE PEABODY COLLEGE FOR TEACHERS

TOMLINSON, GUS; *SUMMER INSTITUTE IN MULTIPLE FIELDS FOR SECONDARY SCHOOL TEACHERS* (*W006931*); 10 MONTHS $84,295

KNOXVILLE COLLEGE

COOPER, TRENTON; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (*W007393*); 19 MONTHS $7,673

MIDDLE TENNESSEE STATE UNIVERSITY

WISER, J ELDRED; *SUMMER INSTITUTE IN SCIENCE AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS AND SUPERVISORS* (*W006941*); 10 MONTHS $81,125

TENNESSEE STATE UNIVERSITY

GASAWAY, SADIE C; *SHORT COURSE ON MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (*W007307*); 10 MONTHS $11,459

TENNESSEE TECHNOLOGICAL UNIVERSITY

FLETCHER JR, RICHARD K; *IN-SERVICE INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS* (*W007435*); 19 MONTHS $7,432

UNIVERSITY OF THE SOUTH

ELLIS, ERIC H; *SUMMER INSTITUTE IN SCIENCE AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (*W006940*); 10 MONTHS $60,558

VANDERBILT UNIVERSITY

RAY, OAKLEY S; *1971 SUMMER CONFERENCE ON DRUG USE AND ABUSE FOR SECONDARY SCHOOL TEACHERS* (*W006326 001*); $3,500

RAY, OAKLEY S; *SHORT COURSE ON DRUG USE AND ABUSE FOR SECONDARY SCHOOL TEACHERS* (*W007300*); 19 MONTHS $33,749

RAY, OAKLEY S; *SHORT COURSE IN DRUG USE AND ABUSE FOR SECONDARY SCHOOL TEACHERS* (*W007300 001*); $5,604

TEXAS

BAYLOR UNIVERSITY

TWEEDIE, VIRGIL L; *SUMMER INSTITUTE IN MULTIPLE FIELDS FOR SECONDARY SCHOOL TEACHERS* (*W007029*); 10 MONTHS $49,321

EAST TEXAS STATE UNIVERSITY

ROHRER, CHARLES S; *SUMMER INSTITUTE IN PHYSICAL SCIENCE FOR SECONDARY SCHOOL TEACHERS* (*W006856*); 10 MONTHS $58,027

INCARNATE WORD COLLEGE

ARMER, SR JOSEPH MARIE; *IN SERVICE INSTITUTE IN BIOLOGY AND PHYSICAL SCIENCE FOR SECONDARY SCHOOL TEACHERS* (*W007412*); 19 MONTHS $11,335

LAMAR UNIVERSITY

MATTHEWS III, WILLIAM H; *SUMMER INSTITUTE IN EARTH SCIENCE (ESCP) FOR SECONDARY SCHOOL TEACHERS* (*W006841*); 10 MONTHS $44,686

RIGNEY, CARL J; *SUMMER INSTITUTE IN PHYSICS AND ASTRONOMY FOR SECONDARY SCHOOL TEACHERS* (*W006842*); 10 MONTHS $43,751

NORTH TEXAS STATE UNIVERSITY

LUKER, WILLIAM A; *SUMMER INSTITUTE IN ECONOMICS FOR SECONDARY SCHOOL TEACHERS* (*W006854*); 10 MONTHS $35,558

VEST, FLOYD; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (*W007382*); 19 MONTHS $8,027

LUKER, WILLIAM A; *IN-SERVICE INSTITUTE IN ECONOMICS FOR SECONDARY SCHOOL TEACHERS* (*W007468*); 19 MONTHS $8,452

SAM HOUSTON STATE UNIVERSITY

MANKA, CHARLES K; *SUMMER INSTITUTE IN ASTRONOMY FOR SECONDARY SCHOOL TEACHERS* (*W006844*); 10 MONTHS $35,114

SOUTHERN METHODIST UNIVERSITY

MECOM, JOHN O; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS* (*W007230*); 10 MONTHS $9,833

TEXAS A & M UNIVERSITY

SCHROEDER, MELVIN C; *SUMMER INSTITUTE IN EARTH SCIENCES FOR SECONDARY SCHOOL TEACHERS* (*W006855*); 10 MONTHS $64,395

SCHROEDER, MELVIN C; *IN-SERVICE INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS* (*W007462*); 19 MONTHS $12,893

TEXAS SOUTHERN UNIVERSITY

TERRY, ROBERT J; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS* (*W006942*); 10 MONTHS $84,603

TEXAS TECH UNIVERSITY

RIGGS, CHARLES L; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (*W007402*); 19 MONTHS $9,036

TRINITY UNIVERSITY

GRAY, GARNETT G; *SUMMER INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS* (*W007018*); 10 MONTHS $45,130

UNIV OF TEXAS AT AUSTIN

LEE, ADDISON E; *SUMMER INSTITUTE IN GENERAL SCIENCE FOR SECONDARY SCHOOL TEACHERS* (*W006911*); 10 MONTHS $72,265

LEE, ADDISON E; *ACADEMIC YEAR INSTITUTE IN SCIENCE FOR SECONDARY SCHOOL TEACHERS* (*W007055*); 24 MONTHS $121,844

UNIV OF TEXAS AT EL PASO

MILSON, JAMES L; *SHORT COURSE ON ENVIRONMENTAL QUALITY FOR SECONDARY SCHOOL TEACHERS* (*W007303*); 10 MONTHS $10,324

UNIV OF TEXAS SYSTEM OFFICE

LEE, ADDISON E; *1973 SUMMER INSTITUTE IN SCIENCES FOR SECONDARY SCHOOL TEACHERS* (*W007633*); 14 MONTHS $70,723

UNIVERSITY OF HOUSTON

CRESWELL, JOHN L; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (*W007407*); 19 MONTHS $18,400

UTAH

UNIVERSITY OF UTAH

RIDD, MERRILL K; *IN-SERVICE INSTITUTE IN EARTH SCIENCE-ESCP FOR SECONDARY SCHOOL TEACHERS* (*W006802*); 13 MONTHS $8,491

WAGNER, FREDRICK R; *SUMMER INSTITUTE IN ENGINEERING FOR SECONDARY SCHOOL TEACHERS* (*W007216*); 10 MONTHS $36,511

DAVIS, E ALLAN; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (*W007364*); 19 MONTHS $16,043

UTAH STATE UNIVERSITY

HUNSAKER, NEVILLE C; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (*W006826*); 10 MONTHS $70,859

BRINGHURST, ANTONE H; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (*W007467*); 19 MONTHS $9,047

VERMONT

UNIVERSITY OF VERMONT

SCHOONMAKER, N JAMES; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (*W006938*); 10 MONTHS $68,860

SCHOONMAKER, N JAMES; *1973 SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS* (*W007634*); 15 MONTHS $55,411

VIRGINIA

COLLEGE OF WILLIAM AND MARY

CATO JR, BENJAMIN R; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006884)*; 10 MONTHS $52,234

HAMPTON INSTITUTE

FIELDS, VICTOR H; *SUMMER INSTITUTE IN CHEMISTRY, MATHEMATICS, AND PHYSICS FOR SECONDARY SCHOOL TEACHERS (W006971)*; 10 MONTHS $59,859

FIELDS, VICTOR H; *IN SERVICE INSTITUTE IN SCIENCE AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W00[illegible]79)*; 19 MONTHS $18,057

NORFOLK STATE COLLEGE

BROWN, PAUL L; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007015)*; 10 MONTHS $49,104

OLD DOMINION UNIVERSITY

MARSHALL, HAROLD G; *SUMMER INSTITUTE IN BIOLOGY FOR SECONDARY SCHOOL TEACHERS (W007000)*; 10 MONTHS $32,692

KERNELL, ROBERT L; *IN-SERVICE INSTITUTE IN INTERDISCIPLINARY PHYSICAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007339)*; 19 MONTHS $13,377

RANDOLPH-MACON WOMANOS COLLEGE

WHIDDEN, HELEN L; *SUMMER INSTITUTE FOR SECONDARY SCHOOL TEACHERS (W006993)*; 41 MONTHS $64,541

UNIVERSITY OF VIRGINIA

THOMPSON, ERTLE; *SUMMER INSTITUTE IN SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007011)*; 10 MONTHS $35,135

THOMPSON, ERTLE; *ACADEMIC YEAR INSTITUTE IN SCIENCE (EMPHASIS ON TRAINING SCIENCE SUPERVISORS AND COORDINATORS) FOR SECONDARY SCHOOL TEACHERS (W007050)*; 24 MONTHS $128,179

THOMPSON, ERTLE; *IN-SERVICE INSTITUTE IN SCIENCE AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007370)*; 19 MONTHS $51,126

VIRGINIA STATE COLLEGE

DUNN, RICHARD H; *COMPREHENSIVE PROJECT IN BIOLOGY AND EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007313)*; 23 MONTHS $298,750

WASHINGTON

FORT WRIGHT COLLEGE OF THE HOLY NAMES

GAUTEREAUX, SR IONE; *IN-SERVICE INSTITUTE IN SCIENCE AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007333)*; 19 MONTHS $16,929

GAUTEREAUX, IONE; *1973-74 IN-SERVICE INSTITUTE IN SCIENCE AND MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007639)*; 25 MONTHS $17,964

PACIFIC LUTHERAN UNIVERSITY

HERZOG, JOHN O; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007341)*; 19 MONTHS $14,012

SEATTLE UNIVERSITY

COWGILL, REV JAMES J; *SUMMER INSTITUTE IN MATHEMATICS AND SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006870)*; 10 MONTHS $69,947

UNIVERSITY OF WASHINGTON

FLEMING, RICHARD H; *SUMMER INSTITUTE IN EARTH SCIENCES FOR SECONDARY SCHOOL TEACHERS (W006914)*; 10 MONTHS $46,949

ARONS, ARNOLD; *SUMMER INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W007013)*; 10 MONTHS $69,080

STOEBE, THOMAS G; *IN-SERVICE INSTITUTE IN MATERIALS SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007482)*; 19 MONTHS $11,084

WASHINGTON STATE UNIVERSITY

LONG, CALVIN T; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006895)*; 10 MONTHS $43,720

BATEY JR, HARRY H; *SUMMER INSTITUTE IN SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006935)*; 10 MONTHS $91,440

WISER, H C; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006952)*; 10 MONTHS $39,475

WISER, H C; *1973 SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007635)*; 15 MONTHS $26,555

WESTERN WASHINGTON STATE COLLEGE

CRASWELL, KEITH J; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006893)*; 10 MONTHS $20,205

GELDER, HARVEY M; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007198)*; 10 MONTHS $43,918

CHRISTMAN, ROBERT A; *SUMMER INSTITUTE IN EARTH SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007217)*; 10 MONTHS $48,871

WEST VIRGINIA

BETHANY COLLEGE

SPENCE, JOHN A; *SUMMER INSTITUTE IN PHYSICAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006967)*; 10 MONTHS $41,198

WEST VIRGINIA UNIVERSITY

JOHNSON, ALONZO F; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007006)*; 10 MONTHS $51,609

PETERS, I D[illegible]; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007351)*; 19 MONTHS $33,733

WISCONSIN

MARQUETTE UNIVERSITY

CONNELLAN, MIRIAM E; *SUMMER INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W006852)*; 10 MONTHS $40,763

MILWAUKEE AREA TECHNICAL COLLEGE

MCHALE, THOMAS J; *IN-SERVICE INSTITUTE IN TECHNICAL MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007431)*; 19 MONTHS $6,595

RIPON COLLEGE

CARLEY, DAVID W; *SUMMER INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W006859)*; 10 MONTHS $37,846

UNIVERSITY OF WISCONSIN, GREEN BAY

BUSCH, JAMES W; *IN-SERVICE INSTITUTE IN ENGINEERING CONCEPTS CURRICULUM PROJECT FOR SECONDARY TEACHERS (W007461)*; 19 MONTHS $7,752

UNIVERSITY OF WISCONSIN, MADISON

WUERGER, WILLIAM W; *SUMMER INSTITUTE IN ENGINEERING FOR SECONDARY SCHOOL TEACHERS (W007026)*; 10 MONTHS $58,645

HARVEY, JOHN G; *ACADEMIC YEAR INSTITUTE IN SCIENCE AND MATHEMATICS FOR SUPERVISORS AND SECONDARY SCHOOL TEACHERS (W007041)*; 24 MONTHS $175,952

UNIVERSITY OF WISCONSIN, MILWAUKEE

SCHMIEG, GLENN M; *SUMMER INSTITUTE IN PHYSICS FOR SECONDARY SCHOOL TEACHERS (W006885)*; 10 MONTHS $47,262

SCHUR, LEON M; *SUMMER INSTITUTE IN SOCIAL SCIENCES FOR SECONDARY SCHOOL TEACHERS (W007212)*; 19 MONTHS $62,167

WISCONSIN STATE UNIVERSITY SYSTEM OFFICE

FAY, MARCUS J; *SUMMER INSTITUTE IN FIELD BIOLOGY AND ECOLOGY FOR SECONDARY SCHOOL TEACHERS (W006849)*; 6 MONTHS $60,447

HEATH, ROY E; *SUMMER INSTITUTE IN ENVIRONMENTAL ASSESSMENT FOR SECONDARY SCHOOL TEACHERS (W006882)*; 10 MONTHS $49,674

WISCONSIN STATE UNIVERSITY, EAU CLAIRE

WICK, MARSHALL E; *IN-SERVICE INSTITUTE IN MATHEMATICS FOR SECONDARY SCHOOL TEACHERS (W007472)*; 19 MONTHS $10,522

WISCONSIN STATE UNIVERSITY, RIVER FALLS

DOLLAHON, JAMES C; *SUMMER INSTITUTE IN ENVIRONMENTAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W006969)*; 10 MONTHS $32,613

HALL, LYLE C; *IN-SERVICE INSTITUTE IN CHEMISTRY FOR SECONDARY SCHOOL TEACHERS (W007499)*; 19 MONTHS $6,534

WISCONSIN STATE UNIVERSITY, SUPERIOR

DAILEY, DONALD M; *IN-SERVICE SCIENCE EDUCATION IMPLEMENTATION PROJECT FOR TEACHERS (W005866 002)*; $8,662

BRIESKE, PHILLIP R; *ACADEMIC YEAR INSTITUTE IN PHYSICS AND PHYSICAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007046)*; 24 MONTHS $69,863

BRIESKE, PHILLIP R; *SUMMER INSTITUTE IN MULTIPLE FIELDS FOR SECONDARY SCHOOL TEACHERS (W007220)*; 10 MONTHS $100,000

DAILEY, DONALD M; *IN-SERVICE INSTITUTE IN ENVIRONMENTAL SCIENCE FOR THE DEVELOPMENT OF SECONDARY SCHOOL RESOURCE PERSONNEL (W007360)*; 19 MONTHS $4,704

KOCH, RUDY G; *IN-SERVICE INSTITUTE IN ENVIRONMENTAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007428)*; 19 MONTHS $29,946

BRIESKE, PHILLIP R; *IN SERVICE INSTITUTE IN INTERMEDIATE SCIENCE CURRICULUM STUDY (ISCS) FOR SECONDARY SCHOOL TEACHERS (W007430)*; 19 MONTHS $31,086

WISCONSIN STATE UNIVERSITY, WHITEWATER

VARNEY, CHARLES B; *SUMMER INSTITUTE IN ENVIRONMENTAL SCIENCE FOR SECONDARY SCHOOL TEACHERS (W007206)*; 10 MONTHS $55,631

WYOMING

UNIVERSITY OF WYOMING

HARDING, SAMUEL W; *COMPREHENSIVE PROGRAM TO IMPROVE THE TEACHING OF BIOLOGICAL AND/OR PHYSICAL SCIENCES IN THE*

ROCKY MOUNTAIN AND PLAINS STATES (W006366 001); 12 MONTHS $485,768

UNDERGRADUATE LEVEL

ALABAMA

BIRMINGHAM-SOUTHERN COLLEGE

WAITS, E DOUCLAS; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009456)*; 24 MONTHS $2,000

FLORENCE STATE UNIVERSITY

MCINNIS, CHARLES RILEY; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009457)*; 24 MONTHS $2,000

UNIVERSITY OF ALABAMA, TUSCALOOSA

ROGERS, DAVID T; *SUMMER INSTITUTE ON ENVIRONMENT AND MAN FOR COLLEGE TEACHERS (Y009372)*; 12 MONTHS $76,980

ROGERS, DAVID T; *SUMMER INSTITUTE FOR COLLEGE TEACHERS (Y009372 001)*; $1,750

DEASON, TEMD R; *SHORT COURSE IN EXPERIMENTAL AND ENVIRONMENTAL PHYCOLOGY FOR COLLEGE TEACHERS (Y009395)*; 12 MONTHS $38,790

DEASON, TEMD R; *PHYCOLOGY FOR COLLEGE TEACHERS SHORT COURSE IN EXPERIMENTAL AND ENVIRONMENTAL (Y009395 001)*; $1,050

UNIVERSITY OF SOUTH ALABAMA

LELONG, MICHEL GEORGE; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009455)*; 24 MONTHS $2,000

ARKANSAS

UNIVERSITY OF ARKANSAS-UNIVERSITY OF ARKANSAS AT LITTLE ROCK

PRIOR, RICHARD M; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009495)*; 24 MONTHS $2,000

BERMUDA

BERMUDA BIOLOGICAL STATION FOR RESEARCH INC

LEHMAN, H E; *SUMMER INSTITUTE IN MARINE BIOLOGY, DEVELOPMENTAL PHYSIOLOGY, AND OCEANOGRAPHY FOR COLLEGE TEACHERS (Y009369)*; 12 MONTHS $105,591

CALIFORNIA

CALIFORNIA STATE COLLEGE AT DOMINGUEZ HILLS

SEELY, OLIVER; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009549)*; 24 MONTHS $2,000

CALIFORNIA STATE COLLEGE AT SONOMA

SPOSITO, GARRISON; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009540)*; 24 MONTHS $2,000

ECK, DAVID L; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009551)*; 24 MONTHS $2,000

CALIFORNIA STATE POLYTECHNIC UNIV, POMONA

HSIA, YU-PING; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009541)*; 24 MONTHS $2,000

CARTMILL, CHARLES EARL; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009544)*; 24 MONTHS $2,000

WOOTTON, WILLIAM T; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009547)*; 24 MONTHS $2,000

CALIFORNIA STATE UNIVERSITY, CHICO

VOUGHT, ELDON J; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009546)*; 24 MONTHS $2,000

CALIFORNIA STATE UNIVERSITY, FULLERTON

JANOTA, HARVEY F; *SUMMER INSTITUTE FOR TRAINING TEACHERS OF CHEMICAL TECHNICIANS (Y009384)*; 12 MONTHS $120,378

KREINER, JESA H; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009545)*; 24 MONTHS $2,000

CALIFORNIA STATE UNIVERSITY, HUMBOLDT

ERSKINE, JANICE MARIE; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009548)*; 24 MONTHS $2,000

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE

GASTON, JACK LEONARD; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009543)*; 24 MONTHS $2,000

CALIFORNIA STATE UNIVERSITY, SACRAMENTO

NEWCOMB, CHARLES PRESTON; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009539)*; 24 MONTHS $2,000

CALIFORNIA STATE UNIVERSITY, SAN LUIS OBIS PO

COOMBS, LEE CHARLES; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009542)*; 24 MONTHS $2,000

BUFFA JR, ANTHONY JOHN; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009552)*; 24 MONTHS $2,000

ENDRES, LELAND S; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009553)*; 24 MONTHS $2,000

MODESTO JUNIOR COLLEGE

GOODROW, MARVIN H; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009550)*; 24 MONTHS $2,000

STANFORD UNIVERSITY

MASSELL, BENTON F; *SUMMER INSTITUTE IN URBAN ECONOMICS FOR COLLEGE TEACHERS (Y009385)*; 12 MONTHS $68,688

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

MEYER, WILLIAM H; *SHORT COURSE IN MATHEMATICS FOR COLLEGE TEACHERS (Y009414)*; 24 MONTHS $62,609

COLORADO

COLORADO STATE UNIVERSITY

CERMAK, J E; *SUMMER INSTITUTE IN FLUID MECHANICS OF THE ENVIRONMENT FOR COLLEGE TEACHERS (Y009378)*; 12 MONTHS $85,166

MCCLELLAN, J FORBES; *SUMMER INSTITUTE IN FIELD BIOLOGY FOR COLLEGE TEACHERS (Y009383)*; 12 MONTHS $64,339

TEMPLE BUELL COLLEGE

WHITTEMORE, CHARLES ALAN; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009517)*; 24 MONTHS $2,000

UNIVERSITY OF COLORADO

BAILEY, DANIEL E; *SUMMER INSTITUTE ON COMPUTER SCIENCE IN SOCIAL AND BEHAVIORAL SCIENCE RESEARCH FOR COLLEGE TEACHERS (Y009379)*; 12 MONTHS $72,747

IVES, JACK D; *SUMMER INSTITUTE IN MOUNTAIN ECOLOGY FOR COLLEGE TEACHERS (Y009381)*; 12 MONTHS $43,889

UNIVERSITY OF DENVER

YEGGE, ROBERT B; *SHORT COURSE IN SOCIAL SCIENCE METHODS IN LEGAL EDUCATION FOR COLLEGE TEACHERS (Y009407)*; 12 MONTHS $57,985

UNIVERSITY OF NORTHERN COLORADO

SCHRECK, JAMES O; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009518)*; 24 MONTHS $2,000

CONNECTICUT

SOUTHERN CONNECTICUT STATE COLLEGE

STEINMETZ JR, CHARLES; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009427)*; 24 MONTHS $2,000

UNIVERSITY OF BRIDGEPORT

ZANDY, HASSAN F; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009428)*; 24 MONTHS $2,000

WESLEYAN UNIVERSITY

RAMAN, KRISHNAN; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009426)*; 24 MONTHS $2,000

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS (01AWDS)*; $1,018

AMERICAN ASSOCIATION FOR ADVANCEMENT SCIENCE

MAYOR, JOHN R; *CHAUTAUQUA-TYPE SHORT COURSES FOR COLLEGE TEACHERS (Y008301 002)*; 12 MONTHS $30,000

CATHOLIC UNIVERSITY OF AMERICA

WALLACE, WILLIAM A; *SUMMER INSTITUTE ON THE ROLE OF MATHEMATICS IN THE DEVELOPMENT OF THE SCIENCES FOR COLLEGE TEACHERS (Y009368)*; 12 MONTHS $80,278

MATHEMATICAL ASSOCIATION OF AMERICA

SPENCER, GUILFORD L; *SUMMER INSTITUTE IN MATHEMATICS FOR COLLEGE TEACHERS (Y009367)*; 12 MONTHS $76,034

NTL INSTITUTE FOR APPLIED BEHAVIORAL SCIENCE

CALLAHAN, D G LAKE & D M; *TEMPORARY SYSTEMS MANAGEMENT TRAINING AND EVALUATION (W006816*)*; 30 MONTHS $43,000

FLORIDA

CHIPOLA JUNIOR COLLEGE

SIMS, JOYNER; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009497)*; 24 MONTHS $2,000

ROLLINS COLLEGE

SKIDMORE, ALEXANDRA S; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009496)*; 24 MONTHS $2,000

UNIVERSITY OF MIAMI

TEAS, HOWARD J; *SUMMER INSTITUTE IN TROPICAL BOTANY FOR COLLEGE TEACHERS (Y009376)*; 12 MONTHS $59,132

GEORGIA

AGNES SCOTT COLLEGE

REINHART, PHILIP B; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009500)*; 24 MONTHS $2,000

AUGUSTA COLLEGE

TURNER, JANICE BUTLER; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009498)*; 24 MONTHS $2,000

MIDDLE GEORGIA COLLEGE

HIEBER, ARLEEN DOROTHEA; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009499)*; 24 MONTHS $2,000

HAWAII

UNIVERSITY OF HAWAII-MAUI COMMUNITY COLLEGE

PALMER, BRUCE; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009519)*; 24 MONTHS $2,000

IDAHO

BOISE STATE COLLEGE

COLBY, CONRAD; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009554)*; 24 MONTHS $2,000

ILLINOIS

COLLEGE OF ST FRANCIS

MILLER, SHARON MONAHAN; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009502)*; 24 MONTHS $2,000

ILLINOIS INSTITUTE OF TECHNOLOGY

WEINSTOCK, HAROLD; *SUMMER INSTITUTE FOR COLLEGE TEACHERS (Y008371 001)*; $594

WEINSTOCK, HAROLD; *SUMMER INSTITUTE ON COMPUTER USE IN UNDERGRADUATE PHYSICS INSTRUCTION FOR COLLEGE TEACHERS (Y009374)*; 12 MONTHS $72,495

ANAND, SUBHASH C; *SUMMER INSTITUTE ON THE DESIGN OF STRUCTURES BY PRACTICING ENGINEERS FOR COLLEGE TEACHERS (Y009375)*; 12 MONTHS $48,571

NORTHERN ILLINOIS UNIVERSITY

ALBRIGHT, CARL H; *SHORT COURSE IN HIGH ENERGY PHYSICS FOR COLLEGE TEACHERS (Y009399)*; 12 MONTHS $25,820

UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE

MCCAMMON, RICHARD B; *SHORT COURSE IN CURRENT STATISTICAL METHODS IN GEOLOGY FOR COLLEGE TEACHERS (Y009401)*; 12 MONTHS $28,338

UNIVERSITY OF ILLINOIS AT URBANA

MALMSTADT, HOWARD V; *SHORT COURSE IN DIGITAL AND ANALOG ELECTRONICS FOR COLLEGE TEACHERS (Y009406)*; 12 MONTHS $63,214

WESTERN ILLINOIS UNIVERSITY

MEIERDING, THOMAS CRAIG; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009501)*; 24 MONTHS $2,000

INDIANA

INDIANA INSTITUTE OF TECHNOLOGY

MIYAKAWA, KOZABURO; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009507)*; 24 MONTHS $2,000

PURDUE UNIVERSITY

HURST, ROBERT N; *SHORT COURSE IN THE AUDIO-TUTORIAL SYSTEM OF INSTRUCTION FOR COLLEGE TEACHERS (Y009404)*; 12 MONTHS $48,064

PERONE, SAM P; *SHORT COURSE IN DIGITAL COMPUTERS IN CHEMICAL INSTRUMENTATION FOR COLLEGE TEACHERS (Y009405)*; 12 MONTHS $46,318

ROSE-HULMAN INSTITUTE OF TECHNOLOGY

KRILE, THOMAS FRANCIS; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009505)*; 24 MONTHS $2,000

ST JOSEPH0S COLLEGE

MEHALL, ANDREW G; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009503)*; 24 MONTHS $2,000

UNIVERSITY OF EVANSVILLE

KUSHNER, JOSEPH B; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009504)*; 24 MONTHS $2,000

WABASH COLLEGE

PARKS, ELDON ROY; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009506)*; 24 MONTHS $2,000

PURDUE UNIVERSITY-FORT WAYNE REGIONAL CAMPUS

BECKER, BENJAMIN; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009508)*; 24 MONTHS $2,000

IOWA

CENTRAL COLLEGE

HOEKSTRA, JOHN J; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009425)*; 24 MONTHS $2,000

KANSAS

KANSAS WESLEYAN

CHIANG, YUAN C; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009423)*; 24 MONTHS $2,000

KENTUCKY

CENTRE COLLEGE OF KENTUCKY

KNOWLES, REX H; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009459)*; 24 MONTHS $2,000

UNIVERSITY OF LOUISVILLE

PIERCE, WILLIAM H; *SUMMER INSTITUTE IN BIOMEDICAL ENGINEERING SCIENCES FOR COLLEGE TEACHERS (Y009370)*; 12 MONTHS $78,072

WESTERN KENTUCKY UNIVERSITY

WAWRUKIEWICZ, ANTHONY S; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009458)*; 24 MONTHS $2,000

LOUISIANA

NORTHEAST LOUISIANA UNIVERSITY

GENUSA, VINCENT ANTHONY; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009460)*; 24 MONTHS $2,000

NORTHWESTERN STATE UNIVERSITY OF LOUISIANA

MCRAE, LARRY GENE; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009461)*; 24 MONTHS $2,000

SOUTHERN UNIVERSITY-SOUTHERN UNIVERSITY IN NEW ORLEANS

MAJESTE, RICHARD J; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009462)*; 24 MONTHS $2,000

MARYLAND

LOYOLA COLLEGE

MACKIW, GEORGE B; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009465)*; 24 MONTHS $2,000

MT ST MARY0S COLLEGE

PALAITIS, WALDEMAR; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009466)*; 24 MONTHS $2,000

ST JOSEPH COLLEGE

EBY, SR DENISE; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009463)*; 24 MONTHS $2,000

TOWSON STATE COLLEGE

FIGLER, MICHAEL H; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009467)*; $2,000

UNITED STATES NAVAL ACADEMY

CRUM, LAWRENCE A; *SHORT COURSE IN LECTURE DEMONSTRATIONS IN PHYSICS FOR COLLEGE TEACHERS (AG00277)*; 12 MONTHS $25,290

UNIVERSITY OF MARYLAND, EASTERN SHORE

SINGH, GURBAX; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009464)*; 24 MONTHS $2,000

MASSACHUSETTS

GORDON COLLEGE

CAMP, RUSSELL R; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009424)*; 24 MONTHS $2,000

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

GREEN JR, BEN A; *SHORT COURSE IN THE KELLER PLAN FOR COLLEGE TEACHERS (Y009388)*; 12 MONTHS $20,161

WILLIAMS COLLEGE

ROUSE JR, RICHARD O; *SUMMER INSTITUTE IN EXPERIMENTAL PSYCHOLOGY FOR COLLEGE TEACHERS (Y009356)*; 12 MONTHS $68,508

MICHIGAN

ALBION COLLEGE

HOGBERG, DAVID KLAS; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009523)*; 24 MONTHS $2,000

CENTRAL MICHIGAN UNIVERSITY

HYERS, ALBERT D; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009524)*; 24 MONTHS $2,000

HOPE COLLEGE

MARKER, DAVID GEORGE; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009521)*; 24 MONTHS $2,000

SCHOOLCRAFT COLLEGE

ATCHLEY, RALPH W; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009525); 24 MONTHS $2,000

ST CLAIR COUNTY COMMUNITY COLLEGE

ANECKI, LEO; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009520); 24 MONTHS $2,000

UNIVERSITY OF MICHIGAN

BIDWELL, EDWIN L; *SHORT COURSE IN CONSTRUCTION ENGINEERING FOR COLLEGE TEACHERS* (Y009410); 12 MONTHS $45,609

WESTERN MICHIGAN UNIVERSITY

POWELL, JAMES H; *SHORT COURSE IN THE TEACHING OF CALCULUS USING COMPUTER METHODS FOR COLLEGE TEACHERS* (Y009409); 12 MONTHS $37,718

UNIVERSITY OF MICHIGAN-FLINT COLLEGE

COPE, VIRGIL W; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009522); 24 MONTHS $2,000

MINNESOTA

COLLEGE OF ST SCHOLASTICA

SCHROEDER, SR DONNA; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009419); 24 MONTHS $2,000

NORMANDALE STATE JUNIOR COLLEGE

NORLANDER, PAUL CARL; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009420); 24 MONTHS $2,000

ST CLOUD STATE COLLEGE

EZELL, WAYLAND LEE; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009422); 24 MONTHS $2,000

ST OLAF COLLEGE

ROBINSON, DAVID ATHERTON; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009421); 24 MONTHS $2,000

MISSISSIPPI

JACKSON STATE COLLEGE

GARRITY, EVELYN M; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009468); 24 MONTHS $2,000

MISSISSIPPI VALLEY STATE COLLEGE

KHAN, SHARIF AHMAD; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009469); 24 MONTHS $2,000

UNIVERSITY OF MISSISSIPPI

SMITH, CHARLES E; *SUMMER INSTITUTE IN NUMERICAL SOLUTION TECHNIQUES IN ELECTROMAGNETIC FIELD THEORY FOR COLLEGE TEACHERS* (Y009371); 12 MONTHS $47,550

MISSOURI

COLUMBIA COLLEGE

GREV, DENNIS M; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009415); 24 MONTHS $2,000

DRURY COLLEGE

GREEVER, JOE CARROLL; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009416); 24 MONTHS $2,000

SOUTHEAST MISSOURI STATE COLLEGE

SOELLNER, ARTHUR M; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009418); 24 MONTHS $2,000

SOUTHWEST MISSOURI STATE COLLEGE

GRINDSTAFF, WYMAN K; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009417); 24 MONTHS $2,000

NEBRASKA

KEARNEY STATE COLLEGE

KAUFMAN, DONALD ALLEN; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009526); 24 MONTHS $2,000

UNIVERSITY OF NEBRASKA AT LINCOLN

FULLER, ROBERT G; *SHORT COURSE IN THE FILM LOOP INSTRUCTIONAL COURSE IN PHYSICS FOR COLLEGE TEACHERS* (Y009408); 12 MONTHS $27,243

UNIVERSITY OF NEBRASKA AT OMAHA

FREIVALD, JOSEPH A; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009527); 24 MONTHS $2,000

NEW HAMPSHIRE

UNIVERSITY OF NEW HAMPSHIRE, DURHAM

LYLE, ROBERT E; *SHORT COURSE IN SPECTROSCOPIC AND CHROMATOGRAPHIC TECHNIQUES FOR COLLEGE TEACHERS* (Y009387); 12 MONTHS $28,582

NEW JERSEY

BLOOMFIELD COLLEGE

SIEGEL, MARSHALL M; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009431); 24 MONTHS $2,000

NEWARK COLLEGE OF ENGINEERING

TRATTNER, RICHARD; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009430); 24 MONTHS $2,000

WILLIAM PATERSON COLLEGE

LA, SUNG YUN; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009432); 24 MONTHS $2,000

FAIRLEIGH DICKINSON UNIVERSITY-FLORHAM-MADISON CAMPUS

MULTER, H GRAY; *SHORT COURSE IN MODERN CARBONATE SEDIMENTS AND RELATED CARBONATE ROCKS FOR COLLEGE TEACHERS* (Y009392); 12 MONTHS $25,707

FAIRLEIGH DICKINSON UNIVERSITY-TEANECK CAMPUS

LIBERLES, ARNO; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009429); 24 MONTHS $2,000

NEW YORK

BARNARD COLLEGE

DEVONS, SAMUEL; *SUMMER INSTITUTE IN THE HISTORY OF PHYSICS FOR COLLEGE TEACHERS* (Y009362); 12 MONTHS $47,606

COLGATE UNIVERSITY

POWNALL, MALCOLM W; *SHORT COURSE IN CATEGORY THEORY FOR COLLEGE TEACHERS* (Y009390); 12 MONTHS $39,953

COLLEGE AT BROCKPORT

RUMAGE, KENNARD W; *SUMMER INSTITUTES ON NEW APPROACHES IN GEOGRAPHY FOR COLLEGE TEACHERS* (Y009358); 12 MONTHS $66,390

COLLEGE AT FREDONIA

FAHNESTOCK, ROBERT K; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009442); 24 MONTHS $2,000

COLLEGE AT GENESEO

REBER, JERRY D; *RESEARCH PARTN FOR COLLEGE TCHRS ACAD. YR. PHASE* (Y009435); 24 MONTHS $2,000

COLLEGE AT OSWEGO

HYDE, KENNETH E; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009438); 24 MONTHS $2,000

COLLEGE AT PLATTSBURGH

LEE, DANIEL C; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009433); 24 MONTHS $2,000

LOACH, KENNETH W; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009441); 24 MONTHS $2,000

MAMMANO, NICHOLAS; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009444); 24 MONTHS $2,000

COLLEGE AT POTSDAM

ALEXANDER, ANNIE LAURER; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009439); 24 MONTHS $2,000

COLUMBIA UNIVERSITY

WOLTJER, LODEWYK; *SUMMER INSTITUTE IN ASTRONOMY FOR COLLEGE TEACHERS* (Y009361); 12 MONTHS $62,610

CORNELL UNIVERSITY

LUCAS, WILLIAM F; *SUMMER INSTITUTE ON DETERMINISTIC METHODS IN OPERATIONS RESEARCH FOR COLLEGE TEACHERS* (Y009359); 12 MONTHS $75,790

MARDEN, PARKER G; *SUMMER INSTITUTE IN SOCIAL DEMOGRAPHY AND POPULATION POLICY FOR COLLEGE TEACHERS* (Y009360); 12 MONTHS $73,803

HERKIMER COUNTY COMMUNITY COLLEGE

PELZ, WILLIAM E; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009436); 24 MONTHS $2,000

HOUGHTON COLLEGE

CHRISTENSEN, LARRY WAYNE; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009445); 24 MONTHS $2,000

MARIST COLLEGE

PERROTTE JR, WILLIAM T; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009434); 24 MONTHS $2,000

POLYTECHNIC INSTITUTE OF BROOKLYN

PIEL, E J; *SHORT COURSE ON THE ENGINEERING CONCEPTS CURRICULUM FOR COLLEGE TEACHERS* (Y009391); 12 MONTHS $49,406

PRATT INSTITUTE

PRAKASH, HARI; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE* (Y009446); 24 MONTHS $2,000

RENSSELAER POLYTECHNIC INSTITUTE

RICHTOL, HERBERT H; *SUMMER INSTITUTE IN INSTRUMENTAL METHODS OF ANALYSIS FOR COLLEGE TEACHERS (Y009363)*; 12 MONTHS $55,948

GROSS, ERIC T B; *SHORT COURSE IN EXPERIMENTAL ANALYSES OF ELECTRICAL MACHINES FOR COLLEGE TEACHERS (Y009393)*; 12 MONTHS $26,056

ST LAWRENCE UNIVERSITY

KAZAKS, PETER A; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009440)*; 24 MONTHS $2,000

SUFFOLK COUNTY COMMUNITY COLLEGE

RUDDEN, MATTHEW J; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009443)*; 24 MONTHS $2,000

UNIVERSITY OF ROCHESTER

DALTON, J CHRISTOPHER; *SUMMER INSTITUTE IN ORGANIC PHOTOCHEMISTRY FOR COLLEGE TEACHERS (Y009364)*; 12 MONTHS $40,884

THOMPSON, BRIAN J; *SHORT COURSE IN CONTEMPORARY OPTICS FOR COLLEGE TEACHERS (Y009389)*; 12 MONTHS $29,056

UTICA COLLEGE

PRATT, THOMAS EDWARD; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009437)*; 24 MONTHS $2,000

NORTH CAROLINA

APPALACHIAN STATE UNIVERSITY

SOEDER, ROBERT WALTER; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009473)*; 24 MONTHS $2,000

BELMONT ABBEY COLLEGE

CELECIA, JUAN FELIX; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009476)*; 24 MONTHS $2,000

CAMPBELL COLLEGE

BURNSIDE, DALE FREDERICK; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009472)*; 24 MONTHS $2,000

LIVINGSTONE COLLEGE

MUNAVALLI, SOMASHEKHAR; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009470)*; 24 MONTHS $2,000

LOUISBURG COLLEGE

BURRIS, KENNETH WAYNE; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009471)*; 24 MONTHS $2,000

PFEIFFER COLLEGE

JACKMAN, DONALD COE; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009474)*; 24 MONTHS $2,000

REGIONAL ED LAB FOR THE CAROLINAS & VIRGINIA

STRALEY, JOSEPH W; *REVITALIZATION OF THE FRESHMAN-SOPHOMORE PHYSICS PROGRAM AT TWENTY COLLEGES (Y009231 002*)*; 12 MONTHS $25,000

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

WALKER, ROBERT P; *SUMMER INSTITUTE IN MATHEMATICS FOR COLLEGE TEACHERS (Y009366)*; 12 MONTHS $55,875

WARREN WILSON COLLEGE

COLLINS, DONALD FAIRLEY; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009475)*; 24 MONTHS $2,000

OHIO

BALDWIN-WALLACE COLLEGE

SMITH, CALVIN ALBERT; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009513)*; 24 MONTHS $2,000

DENISON UNIVERSITY

KLATT, KENNETH PAUL; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009511)*; 24 MONTHS $2,000

MARY MANSE COLLEGE

SAMPSON, JAMES ROBERT; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009510)*; 24 MONTHS $2,000

MOUNT UNION COLLEGE

EPP, LEONARD; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009512)*; 24 MONTHS $2,000

OHIO STATE UNIVERSITY

SCHWIRIAN, KENT P; *SHORT COURSE IN MODELS OF URBAN SPATIAL ECOLOGY AND POPULATION (Y009397)*; 12 MONTHS $42,979

OHIO UNIVERSITY

OVERBY, CHARLES M; *SHORT COURSE ON ENGINEERING AND THE TECHNOLOGICAL SOCIETY FOR COLLEGE TEACHERS (Y009398)*; 12 MONTHS $16,554

WRIGHT STATE UNIVERSITY

MALONE, PHILIP GARCIN; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009509)*; 24 MONTHS $2,000

OKLAHOMA

BETHANY-NAZARENE COLLEGE

REINBOLD, PAUL EARL; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009528)*; 24 MONTHS $2,000

NORTHWESTERN STATE COLLEGE

ROGERS, STEARNS WALTER; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009530)*; 24 MONTHS $2,000

ORAL ROBERTS UNIVERSITY

MAY, HUBERT EUGENE; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009531)*; 24 MONTHS $2,000

SOUTHWESTERN STATE COLLEGE

JONES, RAY CHRISTENSEN; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009529)*; 24 MONTHS $2,000

WOLGAMOTT, GARY DEAN; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009532)*; 24 MONTHS $2,000

OREGON

OREGON STATE UNIVERSITY

JENSEN, J GRANVILLE; *SUMMER INSTITUTE IN SYSTEMS ANALYSIS OF LAND USE PROBLEMS FOR COLLEGE TEACHERS (Y009380)*; 12 MONTHS $35,179

WILLAMETTE UNIVERSITY

THORSETT, GRANT; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009533)*; 24 MONTHS $2,000

PENNSYLVANIA

BUCKNELL UNIVERSITY

ALLEN, JOHN C; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009483)*; 24 MONTHS $2,000

DUQUESNE UNIVERSITY

CHANG, SHIH-CHI; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009477)*; 24 MONTHS $2,000

EDINBORO STATE COLLEGE

WAGNER, DAVID L; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009484)*; 24 MONTHS $2,000

KEYSTONE JUNIOR COLLEGE

JOSEPH, ERAT S; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009479)*; 24 MONTHS $2,000

LAFAYETTE COLLEGE

JAMES JR, LAYLIN K; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009478)*; 24 MONTHS $2,000

MILLERSVILLE STATE COLLEGE

PARKS, JAMES C; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009480)*; 24 MONTHS $2,000

PENNSYLVANIA STATE UNIVERSITY

MCCARTHY, GREGORY J; *SUMMER INSTITUTE IN SOLID STATE AND MATERIALS CHEMISTRY FOR COLLEGE TEACHERS (Y009373)*; 12 MONTHS $62,167

DAS, MUKUNDA B; *SHORT COURSE IN FOUNDATIONS OF INTEGRATED CIRCUITS FOR COLLEGE TEACHERS (Y009396)*; 12 MONTHS $45,046

THIEL COLLEGE

NEWTON, MERVIN E; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009482)*; 24 MONTHS $2,000

WAYNESBURG COLLEGE

THAN, AUNG; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009481)*; 24 MONTHS $2,000

RHODE ISLAND

BROWN UNIVERSITY

SCHUPACK, MARK B; *SUMMER INSTITUTE ON APPLICATIONS OF MICRO-ECONOMIC THEORY TO PUBLIC POLICY PROBLEMS FOR COLLEGE TEACHERS (Y009357)*; 12 MONTHS $60,394

SOUTH CAROLINA

ALLEN UNIVERSITY

SINGH, PIARA; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009486)*; 24 MONTHS $2,000

SOUTH CAROLINA STATE COLLEGE

CLARK, CARL OLIVER; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009487)*; 24 MONTHS $2,000

UNIVERSITY OF SOUTH CAROLINA

DURIG, JAMES R; *SUMMER INSTITUTE ON ELECTRICAL AND MAGNETIC PHENOMENA OF INORGANIC MATERIALS FOR COLLEGE TEACHERS (Y009365)*; 12 MONTHS $50,908

POOLE JR, CHARLES P; *SHORT COURSE IN ELECTRON SPIN RESONANCE FOR COLLEGE TEACHERS (Y009394)*; 12 MONTHS $28,702

VOORHEES COLLEGE

VOLZ, DONALD J; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009485)*; 24 MONTHS $2,000

UNIVERSITY OF SOUTH CAROLINA-UNION CAMPUS

WANG, JIH-MING; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009488)*; 24 MONTHS $2,000

SOUTH DAKOTA

AUGUSTANA COLLEGE

WEITZE, CHARLES EARL; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009534)*; 24 MONTHS $2,000

HADWIN, DONALD W; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009536)*; 24 MONTHS $2,000

SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY

DOORNINK, DEAN GRAHAM; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009535)*; 24 MONTHS $2,000

TENNESSEE

SOUTHWESTERN AT MEMPHIS

TAYLOR, J H; *SHORT COURSE IN OPTICS FOR COLLEGE TEACHERS (Y009400)*; 12 MONTHS $17,592

TENNESSEE TECHNOLOGICAL UNIVERSITY

HARRIS, JOHN W; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009514)*; 24 MONTHS $2,000

ATKINSON, DANIEL A; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009516)*; 24 MONTHS $2,000

TUSCULUM COLLEGE

SHEN, MING-LIANG; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009515)*; 24 MONTHS $2,000

UNIVERSITY OF TENNESSEE, KNOXVILLE

PETERSEN, RONALD H; *SHORT COURSE ON THE ROLE OF BASIDIOMYCETES IN THE FOREST ECOSYSTEM FOR COLLEGE TEACHERS (Y009402)*; 12 MONTHS $30,330

VANDERBILT UNIVERSITY

BOGITSH, BURTON J; *SHORT COURSE IN HISTOCHEMISTRY FOR COLLEGE TEACHERS (Y009403)*; 12 MONTHS $29,237

TEXAS

ABILENE CHRISTIAN COLLEGE

HUTCHINSON, BENNETT; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009559)*; 24 MONTHS $2,000

MIDWESTERN UNIVERSITY

HOLVERSON, EDWIN L; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009558)*; 24 MONTHS $2,000

PAN AMERICAN UNIVERSITY

WALLACE, CHARLES RAY; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009557)*; 24 MONTHS $2,000

RICE UNIVERSITY

THRALL, ROBERT M; *SUMMER INSTITUTE IN MODEL BUILDING AND STATISTICS FOR COLLEGE TEACHERS (Y009386)*; 12 MONTHS $62,293

HIGHTOWER, JOE W; *SHORT COURSE IN PRINCIPLES OF HETEROGENEOUS CATALYSIS FOR COLLEGE TEACHERS (Y009412)*; 12 MONTHS $35,034

TEXAS SOUTHMOST COLLEGE

SULLIVAN, JAMES RODNEY; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009556)*; 24 MONTHS $2,000

UNIV OF TEXAS AT AUSTIN

MATSEN, F A; *SHORT COURSE IN THE VECTOR SPACE THEORY OF MATTER FOR COLLEGE TEACHERS (Y009411)*; 12 MONTHS $41,364

UNIVERSITY OF HOUSTON

MAHONEY, LEO G; *IMPROVEMENT OF SCIENCE EDUCATION FOR BLACK AND LATIN-AMERICAN COLLEGE TEACHERS (Y009413)*; 12 MONTHS $29,815

WAYLAND BAPTIST COLLEGE

THOMPSON, GERALD; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009555)*; 24 MONTHS $2,000

UTAH

UTAH STATE UNIVERSITY

SMERAGE, GLEN H; *SUMMER INSTITUTE IN SYSTEMS APPROACH TO THE LIFE SCIENCES FOR COLLEGE TEACHERS (Y009382)*; 12 MONTHS $78,658

VERMONT

UNIVERSITY OF VERMONT

MYERS, CHARLES C; *SYMPOSIUM ON FOREST BIOMETRY (Y009334)*; 5 MONTHS $2,000

VIRGINIA

HAMPDEN-SYDNEY COLLEGE

PORTERFIELD, WILLIAM W; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009490)*; 24 MONTHS $2,000

WASHINGTON AND LEE UNIVERSITY

NEWBOLT, WILLIAM BARLOW; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009489)*; 24 MONTHS $2,000

WASHINGTON

GONZAGA UNIVERSITY

NAKAMAYE, KAY LEE; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009538)*; 24 MONTHS $2,000

WASHINGTON STATE UNIVERSITY*

BUSH, K A; *SUMMER INSTITUTE ON MATHEMATICAL APPROACHES TO ECONOMIC PROBLEMS FOR COLLEGE TEACHERS (Y009377)*; 12 MONTHS $78,028

WHITMAN COLLEGE

TEMPLETON, J CHARLES; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009537)*; 24 MONTHS $2,000

WEST VIRGINIA

CONCORD COLLEGE

CHAPMAN, CARL J; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009492)*; 24 MONTHS $2,000

WEST VIRGINIA INSTITUTE OF TECHNOLOGY

MOULDER, JERRY W; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009491)*; 24 MONTHS $2,000

PAINTAL, AMREEK; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009493)*; 24 MONTHS $2,000

WEST VIRGINIA STATE COLLEGE

PAVLOS, ANDREW JOHN; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009494)*; 24 MONTHS $2,000

WISCONSIN

MILWAUKEE SCHOOL OF ENGINEERING

KOBISKE, RONALD A; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009454)*; 24 MONTHS $2,000

NORTHLAND COLLEGE

HAUKAAS, HARVEY B; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009448)*; 24 MONTHS $2,000

WISCONSIN STATE UNIVERSITY, PLATTEVILLE

OBRIEN, JOHN T; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009453)*; 24 MONTHS $2,000

WISCONSIN STATE UNIVERSITY, STEVENS POINT

RAZDAN, KAMESHWAR N; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009447)*; 24 MONTHS $2,000

LANG, CONRAD MARVIN; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009452)*; 24 MONTHS $2,000

WISCONSIN STATE UNIVERSITY, WHITEWATER

SHINNERS, CARL WILLIAM; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009450)*; 24 MONTHS $2,000

LETTENBERGER, ROBERT; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009451)*; 24 MONTHS $2,000

UNIVERSITY OF WISCONSIN CENTERS-SHEBOYGAN COUNTY CAMPUS

PENESKI, THOMAS J; *RESEARCH PARTN FOR COLLEGE TCHRS-ACAD. YR. PHASE (Y009449)*; 24 MONTHS $2,000

INSTRUCTIONAL PROGRAM DEVELOPMENT

PRE-COLLEGE LEVEL

ALABAMA

SPRING HILL COLLEGE

KEARLEY JR, FRANCIS J; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007106)*; 19 MONTHS $39,358

UNIVERSITY OF ALABAMA IN BIRMINGHAM

PEARSON, COLIN A; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007165)*; 19 MONTHS $27,782

ARIZONA

ARIZONA STATE UNIVERSITY

MUNCH, T W; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007071)*; 19 MONTHS $33,653

STALEY, FREDERICK A; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007083)*; 20 MONTHS $25,197

STADMILLER, J E; *ARIZONA THE MAN-MADE WORLD INFORMATION AWARENESS CONFERENCES* (*W007243*); 18 MONTHS $9,800

ARKANSAS

SOUTHERN STATE COLLEGE

DODSON, B C; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007102*); 19 MONTHS $36,279

UNIVERSITY OF ARKANSAS

ANDERSON, RICHARD J; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007167*); 19 MONTHS $29,340

CALIFORNIA

ASIA FOUNDATION

SCHWANTES, ROBERT S; *TRAVEL OF ASIAN PARTICIPANTS TO NSF SUPPLEMENTARY TRAINING PROGRAMS* (*W003090 004*); 12 MONTHS $11,200

CALIFORNIA COMMITTEE ON REGIONAL MEDICAL PROG

HUGHES, LEONARD A; *THE BIOMEDICAL INTERDISCIPLINARY CURRICULUM PROJECT* (*W006815*); 21 MONTHS $125,000

CALIFORNIA STATE COLLEGE AT BAKERSFIELD

COASH, JOHN R; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007098*); 19 MONTHS $39,206

CALIFORNIA STATE COLLEGE AT SONOMA

KIENTZ, MARVIN L; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007068*); 19 MONTHS $26,653

CALIFORNIA STATE UNIVERSITY, FRESNO

ZIEGLER, STANLEY M; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007076*); 20 MONTHS $32,291

CALIFORNIA STATE UNIVERSITY, FULLERTON

COLLEA, FRANCIS P; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007075*); 20 MONTHS $36,164

LAY, L CLARK; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007189*); 19 MONTHS $40,456

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE

FIELSTRA, HELEN; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007282*); 20 MONTHS $39,907

CONTRA COSTA COUNTY DEPARTMENT OF EDUCATION

CASTELLANI, GEORGE J; *MARINE ECOLOGY STUDY FOR STUDENTS AND TEACHERS OF ALAMEDA AND CONTRA COSTA COUNTIES* (*W006717 001*); $6,369

CASTELLANI, GEORGE J; *MARINE ECOLOGY ST FOR STUD&TEACHERS/ALAMEDA&CONTRA COSTA COUNTIES* (*W006717 002*); 16 MONTHS $32,564

PALACE OF ARTS AND SCIENCE FOUNDATION

OPPENHEIMER, FRANK; *STUDENT SCIENCE PROJECT PROGRAM AT THE EXPLORATORIUM* (*W006699 001*); 17 MONTHS $26,471

OPPENHEIMER, FRANK; *DEV/COHERENT SER/PART EXHIBITS F THE PALACE/ARTS & SCI EXPLORAT IN S FR* (*W006818*); 15 MONTHS $73,200

UNIVERSITY OF CALIFORNIA, BERKELEY

KARPLUS, ROBERT; *SCIENCE CURRICULUM IMPROVEMENT STUDY* (*E002914 011*); $160,000

ROSENFELD, ARTHUR H, AND SHERMAN, N; *COMPUTER-BASED SELF-INSTRUCTIONAL COURSE FOR SUPPLEMENTARY TRAINING OF SECONDARY SCHOOL TEACHERS OF PHYSICS* (*W005061 001*); 3 MONTHS $15,300

PORTIS, ALAN M; *CENTER OF EXCELLENCE IN SCIENCE EDUCATION* (*W006812 001**); 14 MONTHS $143,000

LAETSCH, W M; *OUTDOOR BIOLOGY-INSTRUCTIONAL STRATEGIES* (*W006820*); 16 MONTHS $100,000

BARANCO, LYNN R; *COOPERATIVE COLLEGE-SCHOOL SCIENCE PROGRAM* (*W007100*); 20 MONTHS $61,747

HENKIN, LEON; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007132*); 20 MONTHS $61,160

LOWERY, LAWRENCE F; *CONFERENCE ON SCIENCE PROJECTS FOR ADMINISTRATORS AND SUPERVISORS OF ELEMENTARY EDUCATION SCIS, ESS, SAPA, ES, MACOS* (*W007238*); 18 MONTHS $16,000

UNIVERSITY OF CALIFORNIA, DAVIS

FRENCH, JEAN G; *THE BIOMEDICAL INTERDISCIPLINARY CURRICULUM PROJECT* (*W006801*); 9 MONTHS $50,000

FRENCH, JEAN; *THE BIOMEDICAL INTERDISCIPLINARY CURRICULUM PROJECT* (*W006801 001*); 12 MONTHS $46,100

UNIVERSITY OF CALIFORNIA, IRVINE

LENHOFF, HOWARD M; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007287*); 20 MONTHS $17,475

UNIVERSITY OF REDLANDS

KRANTZ, REINHOLD J; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007111*); 19 MONTHS $18,004

UNIVERSITY OF SOUTHERN CALIFORNIA

WHITE, PAUL A; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007292*); 20 MONTHS $39,579

COLORADO

NONE; *OTHER PROGRAM AWARDS* (*01AWDS*); $4

SOCIAL SCIENCE EDUCATION CONSORTIUM INC

MORRISSETT, IRVING; *IMPROVEMENT, ANALYSIS AND USE OF SOCIAL SCIENCE CURRICULUM MATERIALS, K-12* (*W002277 003*); 2 MONTHS $5,800

MORRISSETT, IRVING; *IMPROVEMENT, ANALYSIS, AND USE OF SOCIAL SCIENCE CURRICULUM MATERIALS, K-12* (*W002277 004**); 30 MONTHS $174,604

UNIVERSITY OF COLORADO

FENG, CHUAN C; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007091*); 21 MONTHS $39,535

WAILES, JAMES R; *SUMMER CONF CONCERNING NEW SCI CURRICULA FOR DIR / ELEMENTARY EDUCATION* (*W007254*); 18 MONTHS $13,552

FENG, CHUAN C; *LEADERSHIP PREP F IMPLEMENTATION/COMPUTING SCIENCE ALG II/TRIG COURSE* (*W007261*); 18 MONTHS $42,500

COUSINS, JACK, AND STEVENS, N W JR; *LEADERSHIP PREPARATION FOR IMPLEMENTATION OF SOCIAL STUDIES CURRICULA* (*W007263*); 18 MONTHS $97,300

WAILES, JAMES R; *SHORT COURSE ON NATIONAL CURRICULAR STUDIES FOR SCIENCE SUPERVISORS AND COLLEGE PERSONNEL* (*W007301**); 10 MONTHS $3,120

UNIVERSITY OF DENVER

HOFFMAN, RUTH; *LEADERSHIP PREP F IMPLEMENTATION OF ENG CONCEPTS CURRICULUM PROJECT* (*W007270*); 18 MONTHS $40,300

AMME, ROBERT C; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007289*); 19 MONTHS $37,764

UNIVERSITY OF COLORADO-COLORADO SPRINGS CENTER

SHERMAN, JACK E; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007155*); 18 MONTHS $16,426

UNIVERSITY OF COLORADO-DENVER CENTER

MCCLATHERY, GLENN; *LEADERSHIP PREP F IMPLEMENTATION/SCI CURRICULUM IMPROVEMENT STUDY* (*W007272*); 18 MONTHS $42,800

CONNECTICUT

CENTRAL CONNECTICUT STATE COLLEGE

GOODSTEIN, MADELINE P; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007157*); 19 MONTHS $27,362

GOODSTEIN, MADELINE P; *COOPERATIVE COLLEGE-SCHOOL SCIENCE PROGRAM* (*W007157 001*); $2,646

MENTZER, RICHARD L; *LEADERSHIP PREPARATION FOR IMPLEMENTATION OF THE UICSM PROJECT FOR UNDERACHIEVERS IN MATHEMATICS* (*W007258*); 18 MONTHS $28,100

UNIVERSITY OF CONNECTICUT

DUDA, EDWARD J; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007140*); 20 MONTHS $32,594

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS* (*09AWDS*); $13,523

AMERICAN ASSOCIATION FOR ADVANCEMENT SCIENCE

MAYOR, JOHN R; *COMMISSION ON SCIENCE EDUCATION* (*G022286 015*); 18 MONTHS $215,400

AMERICAN FRIENDS OF THE MIDDLE EAST INC

CRIPPIN, VIRGIL C; *TRAV/MID EASTERN PARTICIPANTS TO NSF SUPPLEMENTARY TRAINING PROGRAMS* (*W005380 002*); 12 MONTHS $1,500

AMERICAN GEOLOGICAL INSTITUTE

ROMEY, WILLIAM D, AND SAMPLES, ROBERT E; *ENVIRONMENTAL STUDIES FOR URBAN YOUTH* (*W005387 003*); $5,000

SAMPLES, ROBERT; *LEADERSHIP PREP F IMPLEMENTATION/THE ENVIRONMENTAL STUDIES PROJECT* (*W007264*); 18 MONTHS $31,900

AMERICAN POLITICAL SCIENCE ASSOCIATION

MEHLINGER, HOWARD D; *POLIT SCI COURSE CONT IMPROVEMENT PROJ FOR ELEM & SECONDARY SCHOOLS* (*W006810*); 12 MONTHS $193,100

AMERICAN UNIVERSITY

SCHUBERT, LEO; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007070*); 19 MONTHS $31,818

ASSOC FOR SUPERVISOR & CURRICULUM DEVELOPMENT

WILHELMS, FRED T; *LDERSHP PREP F IMPLEMT/MAN CRSE/ST W ADDED REFER TO OTH NSF-SPONS CUR* (*W007244*); 18 MONTHS $13,200

EXOTECH SYSTEMS INC

FURMAN, LIBERT; *DATA PROCESSING AND TABULATION OF STUDENT PARTICIPANT DATA FOR 1972 AND 1973 SSTP PROGRAM (C433019 002)*; 5 MONTHS $6,493

NATIONAL SCIENCE TEACHERS ASSOCIATION

KIZER, FRANKLIN D; *SEVEN REGIONAL CONFERENCES ON SCIENCE EDUCATION IN THE ELEMENTARY AND SECONDARY SCHOOLS OF THE NATION (W006809*)*; 12 MONTHS $5,400

NTL INSTITUTE FOR APPLIED BEHAVIORAL SCIENCE

CALLAHAN, D G LAKE & D M; *TEMPORARY SYSTEMS MANAGEMENT TRAINING AND EVALUATION (W006816*)*; 30 MONTHS $55,000

ORGANIZATION OF AMERICAN STATES/PAN AMER UNION

PERKINSON, JESSE D; *TRAVEL/LATIN AMER PARTICIPANTS TO SUPPLEMENTARY TRAINING PROGRAMS (W003089 004)*; 12 MONTHS $1,900

SMITHSONIAN INSTITUTION

MARSH, CARYL A; *EXPERIMENTAL TOUCH FXHIBIT-NATIONAL MUSEUM OF NATURAL HISTORY (W007623)*; 12 MONTHS $50,000

FLORIDA

FLORIDA STATE UNIVERSITY

REDFIELD, DAVID D, AND SNYDER, WILLIAM R; *INTERMEDIATE SCIENCE CURRICULUM STUDY (W004235 004)*; 12 MONTHS $130,000

CLARK, LAWRENCE; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007137)*; 19 MONTHS $41,713

FLORIDA TECHNOLOGICAL UNIVERSITY

BRENNAN, J J; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007104)*; 19 MONTHS $31,549

UNIVERSITY OF SOUTH FLORIDA

MONLEY, LAURENCE E; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007069)*; 19 MONTHS $27,891

KOPP, E W; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007153)*; 19 MONTHS $43,458

BULLOCK, JOHN T; *LEADERSHIP PREP F IMPLEMENTATION OF SCI CURRICULUM IMPROVEMENT STUDY (W007242)*; 18 MONTHS $13,300

KOPP, E W; *LEADERSHIP PREP F IMPLEMENTATION OF ENG CONCEPTS CURRICULUM PROJECT (W007269)*; 18 MONTHS $60,400

GEORGIA

EMORY UNIVERSITY

SIMMONS, JAMES W; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007164)*; 19 MONTHS $24,280

GEORGIA STATE UNIVERSITY

RIEDESEL, C ALAN; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007138)*; 18 MONTHS $34,145

SAVANNAH STATE COLLEGE

TUCKER, WILLIE G; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007171)*; 19 MONTHS $31,544

UNIVERSITY OF GEORGIA

RICKER, KENNETH S; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007135)*; 20 MONTHS $31,07[illegible]

HAWAII

UNIVERSITY OF HAWAII

CARR, ALBERT B; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007169)*; 19 MONTHS $21,579

LANG, MELVIN; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007190)*; 19 MONTHS $35,836

IDAHO

UNIVERSITY OF IDAHO

RIGAS, A L; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007080)*; 19 MONTHS $39,465

GARRARD, VERL G; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007089)*; 14 MONTHS $39,456

ILLINOIS

AURORA COLLEGE

RICHARDSON, LLOYD M; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007141)*; 19 MONTHS $22,423

RICHARDSON, LLOYD M; *COOP COLLEGE-SCH SCIENCE PROG (W007141 001)*; $1,656

CHICAGO STATE COLLEGE

CHOOS, RAMONA G; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007285)*; 20 MONTHS $43,129

ILLINOIS INSTITUTE OF TECHNOLOGY

SCHUG, KENNETH; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007094)*; 19 MONTHS $32,677

ILLINOIS STATE UNIVERSITY

EDWARDS, THOMAS F; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007172)*; 19 MONTHS $42,531

NORTHERN ILLINOIS UNIVERSITY

WEAVER, ALLEN D; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007096)*; 17 MONTHS $37,756

UNIVERSITY OF ILLINOIS AT URBANA

ZWOYER, RUSSELL; *NINTH GRADE MATHEMATICS COURSE (W004527 001)*; 14 MONTHS $22,800

SHORESMAN, PETER B; *UICSM PROJECT ON ELEMENTARY SCHOOL MATHEMATICS AND SCIENCE (W004532 002)*; 15 MONTHS $141,300

SHORESMAN, PETER B; *ELEMENTARY SCHOOL MATHEMATICS AND SCIENCE (W004532 003)*; 12 MONTHS $51,800

INDIANA

BALL STATE UNIVERSITY

MCCORMICK, ROY L; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007284)*; 18 MONTHS $37,836

INDIANA STATE UNIVERSITY

BRUCE, LARRY; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007118)*; 20 MONTHS $47,530

INDIANA UNIVERSITY, BLOOMINGTON

HANVEY, ROBERT G; *ANTHROPOLOGY CASE MATERIALS PROJECT (W005059 001)*; 31 MONTHS $47,000

HARRIS, PHILLIP L; *THE ADAPTATION OF PROGRAMED TUTORING TO BEGINNING MATHEMATICS (W006711 002)*; $33,400

ENGLE, SHIRLEY H; *ORIENTATION CONF ON THE SOC STUD F CURRICULUM DIR SUPERVISORS & PRIN (W007247)*; 18 MONTHS $19,885

INDIANA UNIVERSITY, INDIANAPOLIS

ALTON, ELAINE V; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007117)*; 19 MONTHS $64,817

PURDUE UNIVERSITY

KROCKOVER, GERALD H; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007150)*; 19 MONTHS $30,216

NORDLAND, FLOYD H; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007151)*; 20 MONTHS $2[illegible]145

KROCKOVER, GERALD H; *SUMMER CONF FOR ELEMENTARY & MIDDLE SCH ADM ON NEW SCIENCE CURRICULA (W007253)*; 18 MONTHS $20,493

PURDUE UNIVERSITY-INDIANAPOLIS REGIONAL CAMPUS

COHEN, MICHAEL R; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007124)*; 19 MONTHS $52,833

IOWA

DRAKE UNIVERSITY

JOSLIN, PAUL H; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007127)*; 19 MONTHS $40,961

UNIVERSITY OF IOWA

MCADAM, JOHN E; *SUMMER CONF F SECONDARY SCH ADM CONCERNING CURR PROG IN SOCIAL STUD (W007245)*; 18 MONTHS $16,620

LOOMER, BRADLEY M; *SUMMER CONF FOR ELEMENTARY SCH ADM CONCERNING NEW SCIENCE CURRICULA (W007248)*; 18 MONTHS $14,242

UNIVERSITY OF NORTHERN IOWA

UNRUH, ROY D; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007187)*; 18 MONTHS $32,073

KANSAS

KANSAS STATE COLLEGE OF PITTSBURG

COLTHARP, FORREST L; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007116)*; 19 MONTHS $40,991

KANSAS STATE TEACHERS COLLEGE OF EMPORIA

MENHUSEN, BERNADETTE; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007133)*; 14 MONTHS $11,519

KENTUCKY

EASTERN KENTUCKY UNIVERSITY

MAHR, J C; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007173)*; 18 MONTHS $38,578

MOREHEAD STATE UNIVERSITY

NAIL, BILLY R; *FOL-UP PROG F IMPLEMENT/CRSE CONT&PEDAGOG TECH IN UICSM H SCH MATH C 1 (W007249)*; 18 MONTHS $47,500

UNIVERSITY OF KENTUCKY

COLEMAN, DONALD B; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007174)*; 20 MONTHS $26,986

UNIVERSITY OF LOUISVILLE

GEESLIN, ROGER H; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007168)*; 19 MONTHS $36,449

WESTERN KENTUCKY UNIVERSITY

SIX, N FRANK; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007166)*; 19 MONTHS $32,281

CRUMB, GLENN H, AND STEVENSON, ROBERT L; *LEADERSHIP PREP F IMPLEMENTATION OF SCI CURRICULUM IMPROVEMENT STUDY (W007273)*; 18 MONTHS $50,700

LOUISIANA

GRAMBLING COLLEGE

YOUNG, PHILLIP L; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007084)*; 20 MONTHS $27,692

MCNEESE STATE UNIVERSITY

LEJEUNE, STANLEY J; *LEADERSHIP PREP F IMPLEMENTATION/UICSM PROG F SLOW LEARNERS AND UNDERACHIEV (W007265)*; 18 MONTHS $29,000

NICHOLLS STATE UNIVERSITY

SACHS, JULES B; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007159)*; 18 MONTHS $25,738

NORTHWESTERN STATE UNIVERSITY OF LOUISIANA

WASKOM, JOHN D; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007160)*; 19 MONTHS $31,802

MAINE

UNIVERSITY OF MAINE, FARMINGTON

GODOMSKY JR, STEPHEN F; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007088)*; 19 MONTHS $37,592

MARYLAND

NONE; *OTHER PROGRAM AWARDS (04AWDS)*; $5,867

MORGAN STATE COLLEGE

TAYLOR, JULIUS H; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007092)*; 19 MONTHS $28,875

UNIVERSITY OF MARYLAND, COLLEGE PARK

CRONIN, L EUGENE, AND KORMONDY, EDWARD; *FOUR MOTION PICTURES IN SOCIAL BIOLOGY (W006714 001)*; $81,100

GARDNER, MARJORIE; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007099)*; 20 MONTHS $38,353

CIRRINCIONE, JOSEPH M; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007170)*; 20 MONTHS $39,324

MASSACHUSETTS

BOSTON COLLEGE

LADD, GEORGE T; *CONFERENCES FOR IMPROVEMENT OF SCI INSTR (W007624)*; 18 MONTHS $12,300

EASTERN NAZARENE COLLEGE

KEHOE, DANIEL K; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007067)*; 15 MONTHS $32,495

EDUCATION DEVELOPMENT CENTER

LOMON, EARLE L; *UNIFIED SCIENCE AND MATHEMATICS FOR ELEMENTARY SCHOOLS (W005207 002)*; 5 MONTHS $25,400

LOMON, E L; *UNIFIED SCIENCE & MATHEMATICS FOR ELEMENTARY SCHOOLS (W005207 003*)*; $378,239

DEVORE, IRVEN; *A SECONDARY SCHOOL COURSE, 'EXPLORING HUMAN NATURE' (W005209 002)*; 18 MONTHS $425,000

DEVORE, IRVEN; *PROPOSAL F A TEACHER EDUCATION PROGRAM F EXPLORING HUMAN NATURE (W005209 003)*; 12 MONTHS $227,700

CHURCHILL JR, J M B; *ACTIVITIES RELATED TO SCIENCE EDUCATION (W006806*)*; 24 MONTHS $49,500

NEWTON COLLEGE

HABER-SCHAIM, URI; *COMPLETION OF A SECOND YEAR COURSE TO FOLLOW THE INTRODUCTORY PHYSICAL SCIENCE COURSE (W006719 001)*; 7 MONTHS $17,300

HABER-SCHAIM, URI; *COMPLETION OF THE PHYSICAL SCIENCE II IMPLEMENTATION PROGRAM (W006797 001)*; 6 MONTHS $5,600

TUFTS UNIVERSITY

GIBSON, JOHN S; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007095)*; 19 MONTHS $27,776

WESTFIELD STATE COLLEGE

TAYLOR, J KENNETH; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007087)*; 20 MONTHS $29,442

MICHIGAN

CENTRAL MICHIGAN UNIVERSITY

SWART, WILLIAM L; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007130)*; 15 MONTHS $33,486

EASTERN MICHIGAN UNIVERSITY

BUCKEYE, DONALD A; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007086)*; 20 MONTHS $33,001

MICHIGAN STATE UNIVERSITY

MCLEOD, RICHARD J; *LEADERSHP PREP F IMPLEMENTATION/INTERMEDIATE SCI CURR STUDY MATERIALS (W007268)*; 18 MONTHS $60,800

BERKHEIMER, GLENN D; *LEADERSHP PREP FOR IMPLEMENTATION/SCI CURRICULUM IMPROVEMENT ST MTRLS (W007271)*; 18 MONTHS $70,300

WAYNE STATE UNIVERSITY

YOUKSTETTER, FRANK O; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007079)*; 20 MONTHS $60,614

WESTERN MICHIGAN UNIVERSITY

MALLINSON, GEORGE G; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007108)*; 19 MONTHS $10,744

MINNESOTA

GUSTAVUS ADOLPHUS COLLEGE

HILDING, STEPHEN; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007178)*; 18 MONTHS $19,810

ST CLOUD STATE COLLEGE

NAPPI, ANDREW T; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007175)*; 20 MONTHS $26,368

UNIVERSITY OF MINNESOTA

KISSOCK, CRAIG, AND WANGEN, ROGER; *LEADERSHIP PREPARATION FOR IMPLEMENTATION OF ANTHROPOLOGY CURRICULUM STUDY PROJECT, SOCIOLOGICAL RESOURCES FOR THE SOCIAL STUDIES, AND HIGH SCHOOL GEOGRAPHY PROJECT (W007257)*; 18 MONTHS $62,300

MISSISSIPPI

ALCORN AGRICULTURAL AND MECHANICAL COLLEGE

EDNEY, NORRIS ALLEN; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007065)*; 19 MONTHS $25,931

DELTA STATE COLLEGE

HOWELL, DAISY; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007146)*; 19 MONTHS $39,512

MISSISSIPPI VALLEY STATE COLLEGE

FINGAL, WILLIAM A; *LEADERSHIP PREP F IMPLEMENTATION/ELEM SCI AND MATH CURRICULA MINNEMAST (W007259)*; 18 MONTHS $38,400

UNIVERSITY OF SOUTHERN MISSISSIPPI

BROWN, IVA D; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007085)*; 13 MONTHS $25,702

IRBY, B N; *LEADERSHIP PREPARATION OF SCHOOL PERSONNEL FOR IMPLEMENTATION OF CURRICULUM DECISIONS (W007241)*; 18 MONTHS $11,400

MISSOURI

NORTHWEST MISSOURI STATE COLLEGE

KENNER, MORTON R; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007192)*; 18 MONTHS $22,819

MONTANA

EASTERN MONTANA COLLEGE

SCHOENTHAL, NORMAN; *LEADERSHIP PREPARATION FOR IMPLEMENTATION OF SCIS, AAAS AND ESS, DISSEMINATION WORKSHOP (W007239)*; 18 MONTHS $12,500

MONTANA STATE UNIVERSITY

KUTZMAN, N J; *SCIENCE TEACHING ASSISTANCE CENTER (W007622)*; 24 MONTHS $102,900

NORTHERN MONTANA COLLEGE

PITT, C EVERETT; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007114)*; 19 MONTHS $55,421

NEBRASKA

UNIVERSITY OF NEBRASKA AT LINCOLN

SIMS, WARD L; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007073)*; 17 MONTHS $17,174

NEW HAMPSHIRE

PLYMOUTH STATE COLLEGE

BILHEIMER, MARY; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007119)*; 19 MONTHS $18,427

SYLVESTRE, MARK T; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007121)*; 20 MONTHS $7,081

NEW JERSEY

GEORGIAN COURT COLLEGE

FARLEY, SR MARY NICHOLAS; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007288)*; 20 MONTHS $31,003

MONTCLAIR STATE COLLEGE

MINOR, BEN; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007093*); 19 MONTHS $29,164

TRENTON STATE COLLEGE

PREGGER, FRED T; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007134*); 20 MONTHS $40,883

NEW MEXICO

NEW MEXICO STATE UNIVERSITY

CARDEN, FRANK F; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007125*); 19 MONTHS $26,169

NEW YORK

PALDY, LESTER G; *OTHER PROGRAM AWARDS* (*01AWDS*); 13 MONTHS $35,600

COLLEGE AT BUFFALO

SWARTNEY, I JOYCE; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007110*); 20 MONTHS $40,958

SCHWARTZ, DONALD; *SPRING CONF F PRINCIPALS/INNER-CITY HIGH SCH CONC SOCIAL SCI CURRICULA* (*W007256*); 18 MONTHS $7,120

COLUMBIA UNIVERSITY

BEHNKE, FRANCES; *OUT OF SCHOOL SCIENCE PROGRAM FOR JUNIOR HIGH SCHOOL STUDENTS OF JOAN OF ARC NEW YORK CITY* (*W006718 001*); 12 MONTHS $32,398

HOFSTRA UNIVERSITY

SPARBERG, ESTHER B; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007186*); $26,013

JERICHO PUBLIC SCHOOLS

VERDONE, JOSEPH S; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007[illegible]0*); 19 MONTHS $3,575

LONG ISLAND UNIVERSITY

HELLMAN, MORTON J; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007139*); 20 MONTHS $42,941

NEW YORK UNIVERSITY

SHAMOS, MORRIS H; *COMPLETION OF TEACHERS GUIDES FOR A NEW ELEM SCI CURRICULUM* (*COPES*) (*W006811*); 13 MONTHS $59,800

POLYTECHNIC INSTITUTE OF BROOKLYN

BRAUN, LUDWIG; *DEVELOPMENT OF COMPUTER-SIMULATION MATERIAL* (*W005883 001*); 12 MONTHS $20,300

BRAUN, LUDWIG; *DEVELOPMENT OF COMPUTER-SIMULATION MATERIAL* (*W005883 002*); 8 MONTHS $20,000

BRAUN, LUDWIG; *DEVELOPMENT OF COMPUTER-SIMULATION MATERIALS* (*W005883 003*); 24 MONTHS $124,900

STATE UNIVERSITY AT STONY BROOK

BREDDERMAN, THEODORE A; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007123*); 19 MONTHS $15,717

SYRACUSE UNIVERSITY

DAVIS, ROBERT B; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007143*); 20 MONTHS $28,880

DAVIS, ROBERT B; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007195*); 20 MONTHS $37,685

DAVIS, ROBERT B; *LEADERSHIP PREP F IMPLEMENTATION/THE MADISON PROJ CURRICULUM* (*W007262*); 18 MONTHS $44,700

OSWALD, JAMES M; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007293*); 20 MONTHS $26,338

TEACHERS COLLEGE

ROWE, MARY BUDD; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007185*); 19 MONTHS $25,781

UNIVERSITY OF ROCHESTER

MONTEAN, JOHN J; *SPG CONF F TEAMS/SEC SCH ADM&TCHER LEADERS ON THE ENVIRON STUD CURR* (*W007255*); 18 MONTHS $7,510

HEALTH RESEARCH INC-ROSWELL PARK DIVISION

MIRAND, EDWIN A; *STUDENT SCIENCE TRAINING PROGRAM* (*W004003 001**); $209

NORTH CAROLINA

APPALACHIAN STATE UNIVERSITY

ROBINSON, KENT; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007131*); 19 MONTHS $26,689

EAST CAROLINA UNIVERSITY

MATTHEIS, FLOYD E; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007115*); 19 MONTHS $43,942

NORTH CAROLINA STATE UNIVERSITY AT RALEIGH

SPEECE, HERBERT E, AND BLAKEWAY, EDWARD G; *LEADERSHIP PREP FOR IMPLEMENTATION OF ENG CONCEPT CURRICULUM PROJECT* (*W007276*); 18 MONTHS $84,800

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

SCHLECHTY, PHILLIP C; *LEADERSHIP PREP F IMPLEMENTATION/SOCIOL RESOURCES F THE SOCIAL STUDIES* (*W007260*); 18 MONTHS $52,600

NORTH DAKOTA

NORTH DAKOTA STATE UNIVERSITY

HILL, LOREN W; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007152*); 19 MONTHS $16,791

OHIO

ANTIOCH COLLEGE

PLUMER, STEPHEN B; *A PROPOSED LONGITUDINAL, COMPARATIVE STUDY OF EFFECTS AND IMPACTS OF 'MAN- A COURSE OF STUDY'* (*MACOS*) (*W007627*); 4 MONTHS $49,400

FEDERATION FOR UNIFIED SCIENCE EDUCATION

SHOWALTER, VICTOR; *ESTABLISHMENT OF FUSE CENTER FOR UNIFIED SCIENCE EDUCATION* (*W007621*); 12 MONTHS $82,200

MIAMI UNIVERSITY

MOORE, RICHARD W; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007066*); 18 MONTHS $13,451

OHIO STATE UNIVERSITY

LANGUIS, MARLIN; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007148*); 19 MONTHS $28,247

THOMSON, BARBARA S; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007158*); 18 MONTHS $31,378

OHIO UNIVERSITY

LIGHT, KENNETH H; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007074*); 20 MONTHS $46,855

OKLAHOMA

OKLAHOMA STATE UNIVERSITY

KOPECKY, H P; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007081*); 21 MONTHS $44,855

HECOCK, RICHARD D; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007122*); 20 MONTHS $47,165

JOHNSTEN, T D; *LEADERSHIP PREP F IMPLEMENT/ENG CONCEPTS CURR F SECONDARY SCH TCHERS* (*W007278*); 18 MONTHS $44,100

OREGON

PORTLAND STATE UNIVERSITY

JORGENSEN, HAROLD C; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007090*); 14 MONTHS $28,581

LANGE, ERWIN F; *SUMMER CONF FOR ELEMENTARY SCH ADM CONCERNING NEW SCIENCE CURRICULA* (*W007251*); 18 MONTHS $14,595

UNIVERSITY OF OREGON - EUGENE

HARRIS, WILLIAM H; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007112*); 20 MONTHS $42,067

UNIVERSITY OF PORTLAND

WHITE, CHARLES C; *COOPERATIVE COLLEGE SCHO[illegible]ENCE* (*W007156*); 20 MONTHS $25,566

PENNSYLVANIA

CLARION STATE COLLEGE

MECHLING, KENNETH R; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007129*); 19 MONTHS $36,464

EDINBORO STATE COLLEGE

CURRIE, JAMES F; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007194*); 19 MONTHS $28,737

ELIZABETHTOWN COLLEGE

ZIEGLER, ROBERT E; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007120*); 19 MONTHS $21,284

INDIANA UNIVERSITY OF PENNSYLVANIA

RIBAN, DAVID M; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007145*); 20 MONTHS $24,530

PENNSYLVANIA DEPARTMENT OF EDUCATION

EDGAR, IRVIN T; *CONFERENCES TO MOBILIZE LEADERSHIP FOR CHANGE IN ELEMENTARY SCHOOL PROGRAMS* (*W006704 001*); 18 MONTHS $15,100

PENNSYLVANIA STATE UNIVERSITY

BERNOFF, ROBERT A; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007097*); 20 MONTHS $30,435

DIETHORN, WARD S; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007103*); 19 MONTHS $27,373

SLIPPERY ROCK STATE COLLEGE

HOLLAND, MONTE W; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007161*); 19 MONTHS $36,708

TEMPLE UNIVERSITY

RAUN, CHESTER E; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007188*); 19 MONTHS $27,547

RAUN, CHESTER E; *LEADERSHIP PREP F IMPLEMENTATION/SCIS IN URBAN AND SUB AREAS* (*W007267*); 18 MONTHS $48,500

U S-SOUTH AFRICA LEADER EXCHANGE PROGRAM INC

BREWER, JAMES C; *TRAVEL/SO AFRICAN EDUCATORS TO NSF SUPPLEMENTARY TRAINING PROGRAMS* (*W006813*); 12 MONTHS $5,500

UNIVERSITY OF PENNSYLVANIA

GIRAULT, EMILY; *LEADERSHIP PREPARATION FOR IMPLEMENTATION OF ANTHROPOLOGY CURRICULUM STUDY PROJECT, SOCIOLOGICAL RESOURCES FOR THE SOCIAL STUDIES, AND HIGH SCHOOL GEOGRAPHY PROJECT* (*W007277*); 18 MONTHS $74,100

UNIVERSITY OF PITTSBURGH

BRODY, H D; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007072*); 14 MONTHS $3,890

WILKES COLLEGE

HOLDEN, S J; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007101*); 20 MONTHS $36,901

WILSON COLLEGE

GILES JR, LESTER A; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007193*); 19 MONTHS $30,249

RHODE ISLAND

RHODE ISLAND COLLEGE

LUNDBERG, KENNETH V; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007144*); 19 MONTHS $42,849

SOUTH CAROLINA

CLEMSON UNIVERSITY

WILCOX, L C; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007162*); 18 MONTHS $41,888

UNIVERSITY OF SOUTH CAROLINA

SILVERNAIL, RICHARD G; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007149*); 19 MONTHS $30,865

SOUTH DAKOTA

AUGUSTANA COLLEGE

LINDELL, VERLYN L; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007147*); 18 MONTHS $29,791

TENNESSEE

AUSTIN PEAY STATE UNIVERSITY

STEDMAN, CARLTON H; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007109*); 19 MONTHS $27,943

EAST TENNESSEE STATE UNIVERSITY

PAFFORD, WILLIAM N; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007142*); 17 MONTHS $18,620

MEMPHIS STATE UNIVERSITY

PETERSON, GLEN E, AND CLEMINSON, RONALD W; *SUMMER CONF FOR ELEMENTARY SCH ADM CONCERNING NEW SCIENCE CURRICULA* (*W007246*); 18 MONTHS $15,345

UNIVERSITY OF TENNESSEE AT CHATTANOOGA

BENSON, BERNARD W; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007082*); 19 MONTHS $22,319

ATOMIC ENERGY COMMISSION-OAK RIDGE OPERATIONS OFFICE-AEC

RANDALL, COURTLAND S; *ENVIRONMENTAL EXPERIMENTS PROGRAM* (*AG00260 001*); 12 MONTHS $11,000

TEXAS

CRESWELL, JOHN L; *OTHER PROGRAM AWARDS* (*01AWDS*); 14 MONTHS $38,350

BISHOP COLLEGE

RODRIGUEZ, ARGELIA V; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007107*); 19 MONTHS $54,688

PRAIRIE VIEW AGRICULTURAL & MECHANICAL COLLEGE

STEWART, A D; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007179*); 19 MONTHS $27,337

SAM HOUSTON STATE UNIVERSITY

VICK, GEORGE R; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007176*); 19 MONTHS $19,069

SOUTHERN METHODIST UNIVERSITY

NARDIZZI, LOUIS; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007078*); 20 MONTHS $32,664

BROWN, FRANK J PALAS&J D; *LEADERSHP PREP FOR IMPLEMENTATION OF SEC SCH MATH CURR IMPROVEMENT ST* (*W007240*); 18 MONTHS $17,200

SUL ROSS STATE UNIVERSITY

FLORES, ROMEO M; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007136*); 14 MONTHS $20,945

UNIV OF TEXAS AT AUSTIN

CLARK, ROBERT BECK; *MODEL PROJECT FOR UTILIZATION OF PROFESSIONAL SCIENTISTS AS ADVISORS TO SECONDARY SCHOOLS IN TEXAS* (*W006716 001*); 15 MONTHS $27,199

MONTAGUE, EARL J; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007154*); 19 MONTHS $48,097

LITTLE, R N; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007180*); 18 MONTHS $28,402

UNIV OF TEXAS AT EL PASO

BOLEN, MAX C; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007181*); 19 MONTHS $34,175

UTAH

BRIGHAM YOUNG UNIVERSITY

WIGHT, TED; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007163*); 18 MONTHS $36,236

SOUTHERN UTAH STATE COLLEGE

LEBARON, GEORGE; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007077*); 20 MONTHS $38,741

LARSEN, WESLEY P; *LEADERSHIP PREPARATION FOR IMPLEMENTATION OF ELEMENTARY SCHOOL SCIENCE* (*W007274*); 18 MONTHS $39,800

UTAH STATE UNIVERSITY

CANNON, LAWRENCE O; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007283*); 18 MONTHS $66,836

VERMONT

UNIVERSITY OF VERMONT

AGNE, RUSSELL M; *INFO WORKSHOP FOR IMPLEMENTATION/ENG CONCEPTS CURR PROJ IN VERMONT* (*W007250*); 18 MONTHS $8,500

VIRGINIA

UNIVERSITY OF VIRGINIA

THOMPSON, ERTLE; *SUMMER CONF FOR JUNIOR HIGH&MIDDLE SCH PRINCIPALS ON NEW SCI CURRICULA* (*W007252*); 18 MONTHS $12,370

VIRGINIA POLYTECHNIC INSTITUTE

SWEETSER, EVAN A; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007128*); 19 MONTHS $29,516

VIRGINIA STATE COLLEGE

JEMISON, EVELYN W; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007182*); 14 MONTHS $28,680

WASHINGTON

EASTERN WASHINGTON STATE COLLEGE

HAMBLIN, EDWARD L; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007183*); 19 MONTHS $30,832

UNIVERSITY OF PUGET SOUND

ACHESON, DONALD E; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007113*); 19 MONTHS $36,834

WASHINGTON STATE UNIVERSITY

ORLICH, DONALD C; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007286*); 14 MONTHS $24,898

WEST VIRGINIA

MARSHALL UNIVERSITY

ROGERS, WILEY S; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007177*); 19 MONTHS $20,714

WEST VIRGINIA UNIVERSITY

BALCH, PATRICK E; *COOPERATIVE COLLEGE-SCHOOL SCIENCE PROGRAM* (*W006457 001*); 13 MONTHS $3,664

WISCONSIN

EDGEWOOD COLLEGE

DWYER, PAULINUS; *COOPERATIVE COLLEGE SCHOOL SCIENCE* (*W007184*); 17 MONTHS $21,095

UNIVERSITY OF WISCONSIN, MADISON

ROMBERG, THOMAS A; *ANALYSIS OF MATHEMATICS INSTRUCTION* (*W006707 001*); 12 MONTHS $87,700

WOERGER, WILLIAM W, AND MCNEARY, JAMES J; *LEADERSHIP PREP F IMPLEMENT/A REG CNTR F THE ENG CONCEPTS CURR PROJ* (*W007280*); 18 MONTHS $55,900

WISCONSIN STATE UNIVERSITY, OSHKOSH

GIBBS, RONALD K; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007105)*; 19 MONTHS $22,270

WISCONSIN STATE UNIVERSITY, STEVENS POINT

WOOD, ROGER L; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007291)*; 16 MONTHS $24,576

WISCONSIN STATE UNIVERSITY, SUPERIOR

BESCH, GORDON O C; *LEADERSHIP PREP F IMPLEMT/SEC SCH PHYS SCI WORKSHPS TIME SPACE AND MATTER (W007279)*; 18 MONTHS $50,100

WISCONSIN STATE UNIVERSITY, WHITEWATER

MONAHAN, PATRICK; *COOPERATIVE COLLEGE SCHOOL SCIENCE (W007191)*; 18 MONTHS $22,041

MAKURAT, PHILLIP; *LEADERSHIP PREP F IMPLEMENTATION/U-ICSM JUNIOR HIGH MATH F UNDERACHIEVER (W007266)*; 18 MONTHS $37,500

STEKEL, FRANK D; *WORKSHOP IN IMPLEMENTATION OF INTERMEDIATE SCIENCE CURRICULUM STUDY LEVELS II AND III (W007275)*; 18 MONTHS $12,400

UNDERGRADUATE LEVEL

ALABAMA

ALABAMA AGRICULTURAL AND MECHANICAL UNIVERSITY

SHIELDS, CHARLES F; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010297)*; 24 MONTHS $9,900

AUBURN UNIVERSITY

NAGLE JR, H TROY; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010275)*; 24 MONTHS $20,000

GADSDEN STATE JUNIOR COLLEGE

YANCEY, ELISE K; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010317)*; 24 MONTHS $1,800

JEFFERSON STATE JUNIOR COLLEGE

MCDONALD, CATHRYN S; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010303)*; 24 MONTHS $4,000

LAWSON STATE JUNIOR COLLEGE

FORD, BENNIE R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010336)*; 24 MONTHS $19,200

SPRING HILL COLLEGE

ARNOLD, MAGDA B; *COSIP-INDIVIDUAL INSTITUTIONAL PROJECT (Y009348)*; 41 MONTHS $228,300

TUSKEGEE INSTITUTE

HENDERSON, J H M; *COSIP-INDIVIDUAL INSTITUTIONAL PROJECT (Y009327)*; 36 MONTHS $329,600

TOLBERT, BERNADINE; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010353)*; 24 MONTHS $4,600

HOWZE, GLENN; *BLACK COLLEGES (FOUR-YEAR) (Y010487)*; 36 MONTHS $253,700

UNIVERSITY OF ALABAMA IN BIRMINGHAM

PEARSON, C A, AND SINGLETON, LILLIE; *COSIP-COOPERATIVE PROJECT FOR 2-YR COLLEGES (Y009712)*; 15 MONTHS $65,700

JONES, STANLEY T; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010075)*; 24 MONTHS $4,000

UNIVERSITY OF ALABAMA, TUSCALOOSA

BERTE, NEAL R; *INVITATIONAL CONFERENCE FOR LEADERS OF EXPERIMENTAL COLLEGES (Y009329)*; 15 MONTHS $8,043

GARNER, ROBERT H, AND DOLLAR, JERRY L; *COSIP-COOPERATIVE PROJECT FOR 2-YR COLLEGES (Y009713)*; 27 MONTHS $33,600

ALASKA

UNIVERSITY OF ALASKA

FLANAGAN, PATRICK W; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010395)*; 24 MONTHS $10,000

ARIZONA

ARIZONA STATE UNIVERSITY

SAUCK, WILLIAM A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010187)*; 24 MONTHS $2,700

BERMAN, NEAL S; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010261)*; 24 MONTHS $12,000

MESA COMMUNITY COLLEGE

LYON, GARY F; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010314)*; 24 MONTHS $3,500

UNIVERSITY OF ARIZONA

LYTLE, IVAN M; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010296)*; 24 MONTHS $18,400

ARKANSAS

PHILANDER SMITH COLLEGE

JOHNSON, WILLIE B; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010383)*; 24 MONTHS $1,000

SOUTHERN STATE COLLEGE

RUTLEDGE, CARL T; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010051)*; 24 MONTHS $1,900

UNIVERSITY OF ARKANSAS

ANDERSON, RICHARD J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010235)*; 24 MONTHS $20,000

MACDONALD, HAROLD C; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010299)*; 24 MONTHS $14,600

CALIFORNIA

BUTTE COLLEGE

SMITH, ROBERT D; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010302)*; 24 MONTHS $300

MCCART, PERRY D; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010307)*; 24 MONTHS $1,000

CALIFORNIA STATE COLLEGE AT BAKERSFIELD

DETWILER, DANIEL P, AND FANG, FABIAN; *COSIP-INDIVIDUAL INSTITUTIONAL PROJECT (Y009700)*; 26 MONTHS $229,000

OST, DAVID H; *PROG USING USMES MTRLS TO IMPROVE THE PRESERV ED/ PROSPEC ELEM SCH TCH (Y009703)*; 11 MONTHS $66,600

CALIFORNIA STATE COLLEGE AT SONOMA

SHERMAN, ROBERT J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010118)*; 24 MONTHS $2,200

CALIFORNIA STATE POLYTECHNIC UNIV, POMONA

SHELL, B J; *TECHNICIAN EDUCATION DEVELOPMENT PROGRAM INDIVIDUAL INST (Y010474)*; 24 MONTHS $152,245

CALIFORNIA STATE UNIVERSITY, HUMBOLDT

ALLEN, WILLIAM V; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010087)*; 24 MONTHS $4,200

CALIFORNIA STATE UNIVERSITY, LONG BEACH

GRANNELL, ROSWITHA B; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010214)*; 24 MONTHS $5,800

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE

GUSTAFSON, WILLIAM I; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010338)*; 24 MONTHS $15,500

CALIFORNIA STATE UNIVERSITY, SACRAMENTO

NEWCOMB, CHARLES; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010101)*; 24 MONTHS $1,400

SHEA, MICHAEL J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010267)*; 24 MONTHS $7,800

FORKEY, DAVID M; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010268)*; 24 MONTHS $9,200

CALIFORNIA STATE UNIVERSITY, SAN DIEGO

ATKINS, M D; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010128)*; 24 MONTHS $4,200

ZEDLER, PAUL H; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010139)*, 24 MONTHS $8,000

CALIFORNIA STATE UNIVERSITY, SAN LUIS OBISPO

RUSSELL, C R; *TECHNICIAN EDUCATION DEVELOPMENT PROGRAM INDIVIDUAL INST (Y010483)*; 24 MONTHS $51,080

CERRITOS COLLEGE

WILSON,. LOUIS; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010312)*; 24 MONTHS $6,800

CHAPMAN COLLEGE

TWEED, EDWARD D; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010211)*; 24 MONTHS $4,700

HARVEY MUDD COLLEGE

KUBOTA, MITSURU; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010116)*; 24 MONTHS $12,100

LOS ANGELES PIERCE COLLEGE

TONTSCH, JOHN; *TECHNICIAN EDUCATION DEVELOPMENT PROGRAM INDIVIDUAL INST (Y010478)*; 24 MONTHS $145,705

MODESTO JUNIOR COLLEGE

GOODROW, MARVIN; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010263)*; 24 MONTHS $6,300

MOUNT ST MARY0S COLLEGE

LAMB, SANDRA I; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010207)*; 24 MONTHS $3,500

OCCIDENTAL COLLEGE

SWENSON, LELAND C; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010148)*; 24 MONTHS $4,800

WEST, C DAVID; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010815); 24 MONTHS $17,800

OPTICS TECHNOLOGY INC

KAPANY, NARINDER S; *CONTRACT FOR DEVELOPMENT OF A ONE-YEAR COURSE IN OPTICS FOR USE BY INTERMEDIATE-LEVEL COLLEGE AND UNIVERSITY STUDENTS* (C678000); 24 MONTHS $149,800

POMONA COLLEGE

BANKS, WILLIAM P; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010386); 24 MONTHS $5,500

SAN DIEGO CITY COLLEGE

BAUER, JOHN A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010310); 24 MONTHS $3,700

SANTA ANA COLLEGE

MILLER, EARL E; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010319); 24 MONTHS $2,500

STANFORD UNIVERSITY

WILCOX, JOHN M; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010178); 24 MONTHS $9,900

UNIVERSITY OF CALIFORNIA, BERKELEY

PORTIS, ALAN M; *CENTER OF EXCELLENCE IN SCIENCE EDUCATION* (W006812*); 14 MONTHS $52,140
PORTIS, ALAN M; *CENTER OF EXCELLENCE IN SCIENCE EDUCATION* (W006812 001*); 14 MONTHS $26,070
PHILLIPS, JOHN G; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010262); 24 MONTHS $500

UNIVERSITY OF CALIFORNIA, DAVIS

BEADLE, CHARLES W; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010121); 24 MONTHS $8,200

UNIVERSITY OF CALIFORNIA, IRVINE

PARKER, WILLIAM; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010056); 24 MONTHS $11,400

UNIVERSITY OF CALIFORNIA, LOS ANGELES

HAWTHORNE, M FREDERICK; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010141); 24 MONTHS $15,600

UNIVERSITY OF REDLANDS

SMITH, LOWELL KENT; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010387); 24 MONTHS $5,100

UNIVERSITY OF SANTA CLARA

PFEIFFER, ROBERT J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010265); 24 MONTHS $4,100

UNIVERSITY OF SOUTHERN CALIFORNIA

LIEN, ERIC J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010086); 24 MONTHS $6,500

WEST HILLS COLLEGE

HICKS, JAMES R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010222); 24 MONTHS $4,800

WHITTIER COLLEGE

GARDNER, LUCY; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010340); 24 MONTHS $9,100

COLORADO

COLORADO COLLEGE

HUEBERT, BARRY J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010103); 24 MONTHS $5,800

COLORADO STATE UNIVERSITY

JORDAN, JOHN PATRICK; *BIOLOGY CORE CO-TIE PROGRAM* (Y009337); 27 MONTHS $260,000
JOHNSON, GARNIE, AND JORDAN, JOHN P; *PROPOSAL FOR CONTINUATION OF NSF GRANT NSF GY 9337 1 APRIL 1972* (Y009337 001); 12 MONTHS $240,000
MARTIN, STEPHEN G; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010126); 24 MONTHS $12,100
AZARI, PARVIZ; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010236); 24 MONTHS $17,100

SOCIAL SCIENCE EDUCATION CONSORTIUM INC

MORRISSETT, IRVING; *IMPROVEMENT, ANALYSIS, AND USE OF SOCIAL SCIENCE CURRICULUM MATERIALS, K-12* (W002277 004*); 30 MONTHS $52,896

UNIVERSITY OF COLORADO

HAAS, JOHN D; *PRE-SERVICE ELEMENTARY SCHOOL TEACHER EDUCATION* (Y009312 001); 12 MONTHS $201,900
JORDAN, HARRY F; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010136); 24 MONTHS $18,600
DICKINSON, ARTHUR L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010142); 24 MONTHS $11,600
ALBERT, HARRISON B; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010196); 24 MONTHS $7,600

UNIVERSITY OF DENVER

ANDERSON, ROGER A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010323); 24 MONTHS $19,600

UNIVERSITY OF COLORADO-DENVER CENTER

DAMRAUER, R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010397); 24 MONTHS $10,200

CONNECTICUT

FAIRFIELD UNIVERSITY

OCONNELL JR, E J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010205); 24 MONTHS $4,400

QUINNIPIAC COLLEGE

GARSKOF, MICHELE H; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010091); 24 MONTHS $2,400

UNIVERSITY OF CONNECTICUT

MUNSON, JAMES W; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010162); 24 MONTHS $7,700

WESLEYAN UNIVERSITY

FRY, ALBERT J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010300); 24 MONTHS $6,700

YALE UNIVERSITY

POWLEY, TERRY L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010052); 24 MONTHS $3,800
SCHULTZ, HOWARD L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010161); 24 MONTHS $9,900

DELAWARE

DELAWARE STATE COLLEGE

HELMY, EHSAN M; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010365); 24 MONTHS $6,400

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS* (03AWDS); $5,318

AMERICAN ASSOCIATION FOR ADVANCEMENT SCIENCE

MAYOR, JOHN R; *SUPPORT FOR EIGHT PARTICIPANTS ATTENDING A TECHNICIAN EDUCATION PANEL EVALUATION MEETING* (Y009338); 3 MONTHS $3,475

AMERICAN ASSOCIATION OF PHYSICS TEACHERS

JOHNSON, WILBUR V; *DIVISION OF UNDERGRADUATE EDUCATION IN SCIENCE NATL SCI FOUNDATION* (Y009350); 36 MONTHS $47,865

AMERICAN CHEMICAL SOCIETY

PECSOK, ROBERT L; *CHEMICAL TECHNICIAN CURRICULUM PROJECT* (Y006789 001); 6 MONTHS $99,500

AMERICAN GEOLOGICAL INSTITUTE

ROMEY, WILLIAM D; *EARTH SCIENCE TEACHER PREPARATION PROJECT* (Y007688 001); 24 MONTHS $80,500
THOMPSON, JOHN; *EARTH SCIENCE TEACHER PREPARATION PROJECT* (Y007688 003); 12 MONTHS $79,800

AMERICAN UNIVERSITY

ANDERSON, RICHARD R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010355); 24 MONTHS $2,400

ASSOCIATION OF AMERICAN GEOGRAPHERS

LOUNSBURY, JOHN F; *COMMISSION ON COLLEGE GEOGRAPHY* (E068216 009); 18 MONTHS $178,122

EXOTECH SYSTEMS INC

EHRMAN, LIBERT; *AMENDMENT TO NSF C-433 T O 14 PROC FY-1972 EDUC DIRECTORATE PROPOSAL* (C433014 001); 2 MONTHS $31,119
DAVIS, ALLAN S; *TASK ORDER FOR SPECIAL PROCESSING OF COLLEGE SCIENCE IMPROVEMENT PROGRAM PROPOSAL AND AWARD DATA* (C433015); 6 MONTHS $6,500

HOWARD UNIVERSITY

TAYLOR, MODDIE D; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (Y010368); 24 MONTHS $15,400

NATIONAL ACADEMY OF ENGINEERING

HALL, NEWMAN A; *TO STIMULATE THE DEVEL/ELECT ENG COURSES AND CURR TO INCLUDE THE COMP SCI* (C310161 005); 3 MONTHS $6,700

NTL INSTITUTE FOR APPLIED BEHAVIORAL SCIENCE

CALLAHAN, D G LAKE & D M; *TEMPORARY SYSTEMS MANAGEMENT TRAINING AND EVALUATION* (W006816*); 30 MONTHS $12,000
SIKES, WALTER W; *COLLEGE SCIENCE IMPROVEMENT PROGRAMS* (Y009347); 4 MONTHS $5,400

SOCIETY OF AMERICAN FORESTERS

BOLLE, ARNOLD W, AND WEBSTER, HENRY H; *CURRICULUM DEVELOPMENT PROJECT WORKSHOP PHASE* (Y009333); 24 MONTHS $16,575

FLORIDA

BROWARD COMMUNITY COLLEGE

BOCKSTEGE JR, BEN P; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010304)*; 24 MONTHS $1,700

DAYTONA BEACH COMMUNITY COLLEGE

BOOHER, THEODORE; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010320)*; 24 MONTHS $700

FLORIDA AGRICULTURAL AND MECHANICAL UNIVERSITY

AXELSON, JULEIN M; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010384)*; 24 MONTHS $900

FLORIDA PRESBYTERIAN COLLEGE

MACDOUGALL, JAMES; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010197)*; 24 MONTHS $9,900

FLORIDA TECHNOLOGICAL UNIVERSITY

PATZ, BENJAMIN W; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010113)*; 24 MONTHS $20,000

MILLER, HARVEY A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010212)*; 24 MONTHS $19,600

ROLLINS COLLEGE

ROSS, JOHN S; *COSIP-INDIVIDUAL INSTITUTIONAL PROJECT (Y009325)*; 36 MONTHS $196,500

STETSON UNIVERSITY

BEILER, THEODORE W; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010238)*; 24 MONTHS $2,500

UNIVERSITY OF FLORIDA

DAMRON, B L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010385)*; 24 MONTHS $1,900

UNIVERSITY OF SOUTH FLORIDA

NELSON, DOUGLAS L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010137)*; 24 MONTHS $19,300

FILIPOWSKY, R F; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010164)*; 24 MONTHS $8,700

GEORGIA

BERRY COLLEGE

CARPER, N GORDON; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010392)*; 24 MONTHS $2,500

EMORY UNIVERSITY

FORD, DAVID A, AND CUNNINGHAM, WILLIAM GLENN; *COSIP-COOPERATIVE PROJECT FOR 2-YR COLLEGES (Y009722)*; 33 MONTHS $75,000

GEORGIA COLLEGE AT MILLEDGEVILLE

COTTER, DAVID J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010394)*; 24 MONTHS $14,700

GEORGIA INSTITUTE OF TECHNOLOGY

CONNELLY, J A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010344)*; 24 MONTHS $13,800

MOREHOUSE COLLEGE

NORRIS, THOMAS E; *BLACK COLLEGES (FOUR-YEAR) (Y010441)*; 36 MONTHS $351,500

PAINE COLLEGE

HAYES, JOHN THOMPSON; *BLACK COLLEGES (FOUR-YEAR) (Y010464)*; 36 MONTHS $280,900

SOUTHERN INTERSTATE NUCLEAR BOARD

RONEY, MAURICE W; *NUCLEAR TECHNICIAN CURRICULUM PLANNING GUIDE (Y009349)*; 12 MONTHS $20,450

SPELMAN COLLEGE

SMITH, BARNETT F; *COLLEGE SCIENCE IMPROVEMENT PROGRAM (INDIVIDUAL INSTITUTIONAL PROJECTS-COSIP D1) (Y010407)*; 36 MONTHS $279,400

UNIVERSITY OF GEORGIA

SCHELLY, ZOLTAN; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010067)*; 24 MONTHS $10,300

SHAW, J SCOTT; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010241)*; 24 MONTHS $3,000

HAWAII

UNIVERSITY OF HAWAII

MOOKINI, E H, AND NAKAMURA, I; *COSIP-COOPERATIVE PROJECT FOR 2-YR COLLEGES (Y009725)*; 6 MONTHS $40,100

WINGERT, EVERETT; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010358)*; 24 MONTHS $8,100

IDAHO

BOISE STATE COLLEGE

CAMPBELL, R RUSSELL; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010034)*; 24 MONTHS $11,600

COLLEGE OF SOUTHERN IDAHO

FISHER, M A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010305)*; 24 MONTHS $1,000

IDAHO STATE UNIVERSITY

HECKLER, GEORGE E; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010195)*; 24 MONTHS $6,500

NORTHWEST NAZARENE COLLEGE

MARKS, DARRELL L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010269)*; 24 MONTHS $4,300

ILLINOIS

DANVILLE JUNIOR COLLEGE

HUFFMAN, CURTIS; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010308)*; 24 MONTHS $5,000

ILLINOIS INSTITUTE OF TECHNOLOGY

TORDA, T P; *AN EXPERIMENT IN ENGINEERING EDUCATION (Y009300 001)*; 24 MONTHS $726,200

FILLER, ROBERT; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010047)*; 24 MONTHS $7,800

ILLINOIS STATE UNIVERSITY

RICHARDSON, ARLAN; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010040)*; 24 MONTHS $6,900

LOYOLA UNIVERSITY

HARRIS, RONALD W; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010073)*; 24 MONTHS $2,200

JAMESON, A KEITH; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010224)*; 24 MONTHS $6,500

MONMOUTH COLLEGE

SENN, DAVID J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010198)*; 24 MONTHS $1,800

NORTHERN ILLINOIS UNIVERSITY

SPANGLER, CHARLES W; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010074)*; 24 MONTHS $14,900

ROSSING, THOMAS; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010108)*; 24 MONTHS $3,400

COLE, ALAN; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010272)*; 24 MONTHS $8,900

NORTHWESTERN UNIVERSITY

DRANOFF, JOSHUA S; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010046)*; 24 MONTHS $10,600

MACKENZIE, FRED T; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010071)*; 24 MONTHS $8,900

STRUEVER, STUART; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010333)*; 24 MONTHS $2,400

SOUTHERN ILLINOIS UNIVERSITY - CARBONDALE

HOOD, WILLIAM C; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010149)*; 24 MONTHS $4,200

UNIVERSITY OF CHICAGO

SWIFT, HEWSON; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010402)*; 24 MONTHS $19,000

UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE

MURRAY,DARREL L, AND BERRY, JOHN M JR; *COSIP-COOPERATIVE PROJECT FOR 2-YR COLLEGES (Y009723)*; 9 MONTHS $21,700

LIU, CHUI FAN; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010213)*; 24 MONTHS $18,500

UNIVERSITY OF ILLINOIS AT URBANA

ARMSTRONG, JAMES W, AND THOMPSON, PAUL; *COSIP-COOPERATIVE PROJECT FOR 2-YR COLLEGES (Y009720)*; 42 MONTHS $43,100

BELFORD, R L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010069)*; 24 MONTHS $6,200

WILLIAM RAINEY HARPER COLLEGE

BERNSTEIN, RICHARD M; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010257)*; 24 MONTHS $13,100

INDIANA

ANDERSON COLLEGE

CRUIKSHANK JR, DONALD B; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010081)*; 24 MONTHS $10,800

BALL STATE UNIVERSITY

VAN ATTA, ROBERT E; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010072)*; 24 MONTHS $10,300

BENNETT, ALICE S; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010079)*; 24 MONTHS $6,100

ERRINGTON, PAUL R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010393)*; 24 MONTHS $1,800

DEPAUW UNIVERSITY

DAVIS, THOMAS A; *COLLEGE SCIENCE IMPROVEMENT PROGRAMS (INDIVIDUAL INSTITUTIONAL PROJECTS)* (*Y009315 001*); 36 MONTHS $131,500

EARLHAM COLLEGE

STRATTON, WILMER J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010176*); 24 MONTHS $4,800

HANOVER COLLEGE

ELLEFSEN, PAUL R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010133*); 24 MONTHS $3,300

INDIANA UNIVERSITY, BLOOMINGTON

LEBLANC, JOHN F; *INDIANA UNIVERSITY MATHEMATICS METHODS COMBINATION* (*Y009293 001*); 12 MONTHS $279,770

KLEIN JR, CORNELIS; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010055*); 24 MONTHS $12,800

MANCHESTER COLLEGE

EBERLY, WILLIAM R; *COSIP-INDIVIDUAL INSTITUTIONAL PROJECT* (*Y009697*); 40 MONTHS $120,700

MARIAN COLLEGE

EOFF, MICHAEL; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010206*); 24 MONTHS $300

PURDUE UNIVERSITY

NORDLAND, FLOYD H; *AN INTEGRATED SCIENCE PROG FOR PRESERV ELEMENTARY SCHOOL TEACHERS* (*Y009698*); 24 MONTHS $249,350

CHRISTIAN, JOHN E; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010078*); 24 MONTHS $15,400

LEON, BENJAMIN J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010223*); 24 MONTHS $17,500

DANILOFF, RAYMOND G; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010239*); 24 MONTHS $9,300

POSTLETHWAIT, SAMUEL N; *THE EVALUATION OF MINICOURSES IN UNDERGRADUATE BIOLOGY AT TWELVE SELECTED COLLEGES AND UNIVERSITIES* (*Y010442*); 36 MONTHS $63,200

ROSE-HULMAN INSTITUTE OF TECHNOLOGY

ROGERS, CHARLES C; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010053*); 24 MONTHS $13,000

TAYLOR UNIVERSITY

NUSSBAUM, ELMER; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010175*); 24 MONTHS $2,000

UNIVERSITY OF NOTRE DAME

FIORINDO, ROBERT P; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010082*); 24 MONTHS $17,800

YANG, K T; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010247*); 24 MONTHS $10,800

VALPARAISO UNIVERSITY

SHEWAN, WILLIAM; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010157*); 24 MONTHS $11,000

WALDSCHMIDT, RUDOLPH; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010295*); 24 MONTHS $5,400

PURDUE UNIVERSITY-INDIANAPOLIS REGIONAL CAMPUS

FIFE, WILMER K; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010123*); 24 MONTHS $20,000

IOWA

AMERICAN POLITICAL SCIENCE ASSOCIATION

VAN DYKE, VERNON; *PROGRAM FOR UNDERGRADUATE EDUCATION IMPROVEMENT IN POLITICAL SCIENCE* (*Y009351*); 30 MONTHS $486,870

COE COLLEGE

WATKINS, STANLEY R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010153*); 24 MONTHS $2,300

CORNELL COLLEGE

DESKIN, WILLIAM A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010270*); 24 MONTHS $2,900

DRAKE UNIVERSITY

ROGERS, RODNEY A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010054*); 24 MONTHS $9,600

GRINNELL COLLEGE

BAYS, JAMES PHILIP; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010060*); 24 MONTHS $5,000

IOWA STATE UNIVERSITY OF SCIENCE & TECHNOLOGY

REDMOND, JAMES R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010036*); 24 MONTHS $20,000

GROENEVELD, RICHARD A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010117*); 24 MONTHS $6,600

LUTHER COLLEGE

MOORCROFT, WILLIAM H; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010083*); 24 MONTHS $12,000

SIMPSON COLLEGE

UPDEGRAFF, WILLIAM E; *COSIP-INDIVIDUAL INSTITUTIONAL PROJECT* (*Y009331*); 17 MONTHS $37,400

KANSAS

BETHANY COLLEGE

ENGLUND, CHARLES R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010342*); 24 MONTHS $2,500

FORT HAYS KANSAS STATE COLLEGE

DRESSLER, ROBERT L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010248*); 24 MONTHS $6,800

KANSAS STATE UNIVERSITY

SPANGLER, JOHN D, AND KITCHEN, WILLIAM C; *COSIP-COOPERATIVE PROJECT FOR 2-YR COLLEGES* (*Y009715*); 18 MONTHS $50,300

UNIVERSITY OF KANSAS

KLEIN, RONALD L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010209*); 24 MONTHS $5,400

HIERL, PETER; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010286*); 24 MONTHS $12,900

GAINES, MICHAEL S; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010287*); 24 MONTHS $7,300

WASHBURN UNIVERSITY OF TOPEKA

COHEN, SHELDON H; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010173*); 24 MONTHS $10,100

WICHITA STATE UNIVERSITY

BENNINGFIELD, LLOYD M; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010264*); 24 MONTHS $8,900

KENTUCKY

BEREA COLLEGE

BEEBE, THOMAS R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010366*); 24 MONTHS $13,800

CENTRE COLLEGE OF KENTUCKY

ELLIS, ROY; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010152*); 24 MONTHS $3,700

EASTERN KENTUCKY UNIVERSITY

GEORGE, TED M; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010138*); 24 MONTHS $3,800

MURRAY STATE UNIVERSITY

WHALEY, PETER W; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010230*); 24 MONTHS $6,500

THOMAS MORE COLLEGE

MINER, GEORGE K; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010359*) 24 MONTHS $10,500

LOUISIANA

GRAMBLING COLLEGE

KENNEDY, A P; *BLACK COLLEGES (FOUR-YEAR)* (*Y010408*); 36 MONTHS $324,800

LOUISIANA STATE UNIVERSITY, BATON ROUGE

DANIEL JR, L R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010184*); 24 MONTHS $4,200

GREENBERG, DAVID B; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010193*); 24 MONTHS $6,600

NORTHEAST LOUISIANA UNIVERSITY

SHUGART, CECIL G; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010367*); 24 MONTHS $10,000

TULANE UNIVERSITY

WEBB, GEORGE R, AND KELLER, JANE C; *A PROGRAM TO CONSIDER SCIENCE, TECHNOLOGY AND SOCIAL CHANGE* (*Y009328*); 14 MONTHS $7,660

UNIVERSITY OF SOUTHWESTERN LOUISIANA

MERIWETHER, JOHN R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010373*); 24 MONTHS $5,600

XAVIER UNIVERSITY OF LOUISIANA

DRAWE, SR M VERONICA; *BLACK COLLEGES (FOUR-YEAR)* (*Y009704*); 36 MONTHS $396,000

SOUTHERN UNIVERSITY-SOUTHERN UNIVERSITY IN NEW ORLEANS

DAVE, V R; *BLACK COLLEGES (FOUR-YEAR)* (*Y010463*); 36 MONTHS $225,800

MAINE

BOWDOIN COLLEGE

HUNTINGTON, CHARLES E; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010203)*; 24 MONTHS $3,800

UNIVERSITY OF MAINE, ORONO

WEAVER, DAVID L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010327)*; 24 MONTHS $1,900

WESTBROOK COLLEGE

VOLLMER, DOUGLAS; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010396)*; 24 MONTHS $3,700

MARYLAND

NONE; *OTHER PROGRAM AWARDS (09AWDS)*; $18,213

ALLEGANY COMMUNITY COLLEGE

WORKMAN, GLENN O; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010301)*; 24 MONTHS $4,300

CHARLES COUNTY COMMUNITY COLLEGE

JENSEN, BELVA L; *DEVELOPMENT OF ESTUARINE RESOURCE TECHNICIANS (Y008328 001)*; 12 MONTHS $76,500

JENSEN, BELVA L; *DEVELOPMENT OF ESTUARINE RESOURCE TECHNOLOGY (Y008328 002)*; 36 MONTHS $37,352

UNIVERSITY OF MARYLAND, BALTIMORE

VINCENT, JAMES; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010405)*; 24 MONTHS $4,400

UNIVERSITY OF MARYLAND, COLLEGE PARK

RAMM, GORDON M, AND HURLBURT, EVELYN M; *COSIP-COOPERATIVE PROJECT FOR 2-YR COLLEGES (Y009711)*; 12 MONTHS $24,500

MASSACHUSETTS

AMHERST COLLEGE

SARGENT, C DANN; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010039)*; 24 MONTHS $14,400

BOSTON COLLEGE

EATHER, R H; *EDUCATION FILM ON AURORA BOREALIS (Y009341)*; 12 MONTHS $11,800

EATHER, R H; *AMENDMENT NO. 1 TO- EDUCATIONAL FILM ON AURORA BOREALIS, GY-9341 (Y009341 001)*; 12 MONTHS $2,970

CLARK UNIVERSITY

ANDERSON, ROY S; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010186)*; 24 MONTHS $5,800

COLLEGE OF OUR LADY OF THE ELMS

WRIGHT, SR MARY L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010231)*; 24 MONTHS $5,000

EDUCATION DEVELOPMENT CENTER

BRAINERD, JOHN G; *MOTION PICTURES TO IMPROVE INSTRUCTION IN ELECTRICAL ENGINEERING (E003356 005)*; 8 MONTHS $74,480

LOMON, E L, *UNIFIED SCIENCE & MATHEMATICS FOR ELEMENTARY SCHOOLS (W00[illegible]207 003*)*; $17,970

CHURCHILL JR, J M B; *ACTIVITIES RELATED TO SCIENCE EDUCATION (W006806*)*; 24 MONTHS $49,500

LOMAN, EARL L; *USMES DISTRICT IMPLEMENTATION MODELS (W007626)*; 12 MONTHS $55,245

FIVE COLLEGE ASTRONOMY DEPARTMENT

IRVINE, WILLIAM M; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010371)*; 24 MONTHS $20,000

HAMPSHIRE COLLEGE

FOSTER, JOHN M; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010130)*; 24 MONTHS $4,600

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

TAYLOR, EDWIN F; *CREATION, EVALUATION, AND DISSEMINATION OF TEACHING MATERIALS AND LEARNING FORMATS IN COLLEGE PHYSICS (G017198 009)*; 24 MONTHS $129,955

MOUNT HOLYOKE COLLEGE

DETOMA, FRANCIS J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010140)*; 24 MONTHS $4,600

NEWTON COLLEGE

HABER-SCHAIM, URI; *PREPARATION OF PHYSICS AND CHEMISTRY TEACHERS (Y009322 001)*; $132,200

HABER-SCHAIM, URI; *PREPARATION OF PHYSICS AND CHEMISTRY TEACHERS (Y009322 003)*; 5 MONTHS $20,500

NORTHEASTERN UNIVERSITY

FAISSLER, WILLIAM; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010249)*; 24 MONTHS $3,300

TECHNICAL EDUCATION RESEARCH CENTER, INC

FRANK, NATHANIEL H; *THE DEVEL/MODULARIZED PHYS INSTR MATERIALS FOR TECHNICAL EDUCATION (Y009317 001)*; 18 MONTHS $120,300

UNIVERSITY OF MASSACHUSETTS, AMHERST

NORKIN, LEONARD C; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010347)*; 24 MONTHS $11,600

NASH, WILLIAM A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010361)*; 24 MONTHS $6,800

UNIVERSITY OF MASSACHUSETTS, BOSTON

BENNETT, RUTH R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010135)*; 24 MONTHS $5,300

WELLESLEY COLLEGE

BIRNEY, D SCOTT; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010093)*; 24 MONTHS $2,500

WESTERN NEW ENGLAND COLLEGE

DAVISON, W G; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010216)*; 24 MONTHS $5,300

WORCESTER POLYTECHNIC INSTITUTE

GROGAN, WILLIAM R; *COSIP-INDIVIDUAL INSTITUTIONAL PROJECT (Y009353)*; 41 MONTHS $733,400

KENNEDY, OWEN W; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010250)*; 24 MONTHS $12,000

MICHIGAN

ALMA COLLEGE

TOLLER, LOUIS; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010341)*; 24 MONTHS $2,500

CENTRAL MICHIGAN UNIVERSITY

SHONK, CARL E, AND ELVE, ALBERTUS H; *COSIP-COOPERATIVE PROJECT FOR 2-YR COLLEGES (Y009724)*; 18 MONTHS $57,700

DELTA COLLEGE

MOST JR, CLARK; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010318)*; 24 MONTHS $8,400

GENESEE COMMUNITY COLLEGE

DEGRAAF, DONALD E; *FLINT INTRODUCTORY PHYSICS SEQUENCE (Y003792 005)*; 12 MONTHS $39,696

GRAND VALLEY STATE COLLEGE

WARD, [illegible]NALD W; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010077)*; 24 MONTHS $4,700

HOPE COLLEGE

THARIN, J COTTER; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010110)*; 24 MONTHS $5,400

MICHIGAN STATE UNIVERSITY

SIGNELL, PETER; *PHYSICS INSTRUCTIONAL FILM DEVELOPMENT (Y009695)*; 12 MONTHS $5,700

MICHIGAN TECHNOLOGICAL UNIVERSITY

WHITTEN, B K; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010042)*; 24 MONTHS $18,300

BRUMM, D B; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010098)*; 24 MONTHS $13,900

OAKLAND COMMUNITY COLLEGE

ROSENTHAL, STANLEY L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010061)*; 24 MONTHS $3,200

OAKLAND UNIVERSITY

WEDEKIND, GILBERT L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010096)*; 24 MONTHS $17,500

SOCIETY OF MANUFACTURING ENGINEERS

GROVE, JON P; *WORKSHOP ON MANUFACTURING ENGINEERING TECHNOLOGY (Y009330)*; 15 MONTHS $6,900

SOUTHWESTERN MICHIGAN COLLEGE

HART, ROGER A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010289)*; 24 MONTHS $1,300

UNIVERSITY OF MICHIGAN

WILLMARTH, WILLIAM W; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010181)*; 24 MONTHS $20,000

LEITH, EMMET N; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010224)*; 24 MONTHS $20,000

WESTERN MICHIGAN UNIVERSITY

HERMAN, JOHN E; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010185)*; 24 MONTHS $2,300

UNIVERSITY OF MICHIGAN-FLINT COLLEGE

MACKELA, AHTI A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010217)*; 24 MONTHS $10,100

MINNESOTA

AUGSBURG COLLEGE

ALTON, EARL R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010058*); 24 MONTHS $4,400

COLLEGE OF ST TERESA

HORNER, OSCAR F; *PRE-SERVICE SECONDARY SCHOOL TEACHER EDUCATION* (*Y009290 001*); 24 MONTHS $115,650

SCHUTH, SR M KATARINA; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010151*); 24 MONTHS $300

CONCORDIA COLLEGE AT MOORHEAD

JOHNSON, IVAN M; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010343*); 24 MONTHS $3,800

MACALESTER COLLEGE

MINK, WALTER D; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010131*); 24 MONTHS $2,500

MANKATO STATE COLLEGE

INMAN, FRED W, AND SALA, REXFORD Q; *COSIP-COOPERATIVE PROJECT FOR 2-YR COLLEGES* (*Y009716*); 21 MONTHS $77,500

MORGAN, MAX H; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010226*); 24 MONTHS $2,400

MOORHEAD STATE COLLEGE

SIPSON, ROGER F; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010225*); 24 MONTHS $3,700

SOUTHWEST MINNESOTA STATE COLLEGE

RIEDEL, ROBERT G; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010035*); 24 MONTHS $20,000

ST MARY0S JUNIOR COLLEGE

PETERSON, CAROL; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010401*); 24 MONTHS $7,500

WINONA STATE COLLEGE

FOSS, FREDERICK W; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010190*); 24 MONTHS $2,000

UNIVERSITY OF MINNESOTA-UNIVERSITY OF MINNESOTA, DULUTH

HANSON, HOWARD G; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010255*); 24 MONTHS $15,000

MISSISSIPPI

DELTA STATE COLLEGE

BRADLEY, MILTON; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010390*); 24 MONTHS $6,100

EAST MISSISSIPPI JUNIOR COLLEGE

WILLIAMSON, TROY L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010315*); 24 MONTHS $5,200

MISSISSIPPI STATE UNIVERSITY

CORNELL, DAVID; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010219*); 24 MONTHS $6,900

RUST COLLEGE

RIHAN, TALAAT I; *BLACK COLLEGES (FOUR-YEAR)* (*Y009708*); 36 MONTHS $327,300

BRENNAN, BARTLEY A; *BLACK COLLEGES (FOUR-YEAR)* (*Y010406*); 36 MONTHS $311,400

TOUGALOO COLLEGE

GARNER, JOHN B; *COSIP-INDIVIDUAL INSTITUTIONAL PROJECTS* (*Y009324*); 36 MONTHS $163,000

GARNER, JOHN B; *COSIP INDIVIDUAL INSTITUTIONAL PROJECT* (*Y009324 001*); $81,370

LOEWEN, JAMES W; *BLACK COLLEGES (FOUR-YEAR)* (*Y009696*); 36 MONTHS $316,500

UNIVERSITY OF MISSISSIPPI

BASS, HENRY E; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010159*); 24 MONTHS $5,300

WILLIAM CAREY COLLEGE

WEST, ROSE G; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010179*); 24 MONTHS $5,600

MISSOURI

LINCOLN UNIVERSITY

COOK, NATHAN H; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010354*); 24 MONTHS $8,600

PARK COLLEGE

JIRGAL JR, GEORGE H; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010063*); 24 MONTHS $2,200

SOUTHWEST BAPTIST COLLEGE

LITTLE, B F; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010369*); 24 MONTHS $2,500

SOUTHWEST MISSOURI STATE COLLEGE

BANKS, LAWRENCE E; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010147*); 24 MONTHS $20,000

UNIVERSITY OF MISSOURI, COLUMBIA

DAVID, LARRY G, AND SCHALLERT, WILLIAM F; *COSIP-COOPERATIVE PROJECT FOR 2-YR COLLEGES* (*Y009714*); 36 MONTHS $110,300

WILLIAMS, FREDERICK; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010204*); 24 MONTHS $4,200

UNIVERSITY OF MISSOURI, KANSAS CITY

NIU, H P; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010328*); 24 MONTHS $2,900

ST LOUIS JUNIOR COLLEGE DISTRICT-FLORISSANT VALLEY COMMUNITY COLLEGE

ALDRIDGE, BILL G; *DESIGN PRODUCTION CLASSRM TRL AND EVALUATION/ MODULES/INSTR FOR TECH PHYS* (*Y009212 001*); 18 MONTHS $94,900

MONTANA

CARROLL COLLEGE

BOWMAN, NOEL E; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010156*); 24 MONTHS $11,000

COLLEGE OF GREAT FALLS

SCHNELLER, MICHAEL C; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010389*); 24 MONTHS $1,400

MONTANA STATE UNIVERSITY

SCHMITTROTH, LOUIS A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010102*); 24 MONTHS $20,000

NEBRASKA

HASTINGS COLLEGE

LAMBERSON, ROLAND H; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010372*); 24 MONTHS $6,600

NEBRASKA WESLEYAN UNIVERSITY

FRENCH JR, WALTER R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010370*); 24 MONTHS $4,200

UNIVERSITY OF NEBRASKA AT LINCOLN

DAM, RICHARD; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010329*); 24 MONTHS $8,400

NEVADA

UNIVERSITY OF NEVADA, LAS VEGAS

RANEY, JOSEPH F; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010129*); 24 MONTHS $4,800

UNIVERSITY OF NEVADA, RENO

DOUGLAS, BRUCE M; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010038*); 24 MONTHS $3,600

BARNES, GEORGE; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010194*); 24 MONTHS $13,600

NEW HAMPSHIRE

AMERICAN UNIVERSITIES FIELD STAFF

MILLER, NORMAN N; *DOCUMENTARY FILM PROJECT- THE PEASANT WORLD* (*Y009295 001*); $217,900

DARTMOUTH COLLEGE

STETLER, DAVID A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010066*); 24 MONTHS $12,200

NEW ENGLAND COLLEGE

BODHOLT, FREDERICK B; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010160*); 24 MONTHS $4,500

ST ANSELM0S COLLEGE

UPHAM, ROY; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010146*); 24 MONTHS $1,800

UNIVERSITY OF NEW HAMPSHIRE, DURHAM

DAVIS JR, JAMES R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010256*); 24 MONTHS $6,300

NEW JERSEY

DREW UNIVERSITY

MILLER, JAMES M; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010330*); 24 MONTHS $11,000

FAIRLEIGH DICKINSON UNIVERSITY

SANTELLI, JOHN C; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010348*); 24 MONTHS $4,800

JUSTER, ALLAN; *TECHNICIAN EDUCATION DEVELOPMENT PROGRAM INDIVIDUAL INST* (*Y010476*); 24 MONTHS $146,015

MIDDLESEX COUNTY COLLEGE

HANDLER, THOMAS; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010316*); 24 MONTHS $13,400

MONTCLAIR STATE COLLEGE

CLIFFORD, PAUL C, AND CHANDLER, HORACE; *COSIP-COOPERATIVE PROJECT FOR 2-YR COLLEGES* (*Y009719*); 24 MONTHS $34,300

NEWARK COLLEGE OF ENGINEERING

CLEMENTS, WAYNE; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010104*); 24 MONTHS $5,900

HANESIAN, DERAN; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010283*); 24 MONTHS $12,300

PRINCETON UNIVERSITY

COYNE, LELIA; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010045*); 24 MONTHS $9,000

RUTGERS UNIVERSITY

LIVINGSTON JR, JAMES; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010170*); 24 MONTHS $20,000

STEVENS INSTITUTE OF TECHNOLOGY

BASKIN, LEONARD S; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010398*); 24 MONTHS $13,900

UPSALA COLLEGE

GRAHAM, RICHARD; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010252*); 24 MONTHS $2,700

FAIRLEIGH DICKINSON UNIVERSITY-TEANECK CAMPUS

EBERHARD, ANATOL; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010041*); 24 MONTHS $4,300

NEW MEXICO

EASTERN NEW MEXICO UNIVERSITY

PITT, WILLIAM D; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010111*); 24 MONTHS $2,000

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY

SCHAFER, ROLLIE; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010253*); 24 MONTHS $9,900

NEW MEXICO STATE UNIVERSITY

WILSON, DONALD B; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010331*); 24 MONTHS $13,700

UNIVERSITY OF NEW MEXICO

BRADSHAW, MARTIN D; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010258*); 24 MONTHS $9,800

NEW YORK

FORMAN, JAMES D; *OTHER PROGRAM AWARDS* (*01AWDS*); 15 MONTHS $42,080

AMERICAN INSTITUTE OF PHYSICS

STRASSENBURG, ARNOLD A; *NATIONAL TECH PHYSICS COMMITTEE AND PROJECT OFFICE* (*Y009319 001*); 18 MONTHS $64,700

CANISIUS COLLEGE

BAYER, DEWEY J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010068*); 24 MONTHS $1,500

COLLEGE AT BROCKPORT

DILCHER, RONALD C, AND JAEGER, GERN W; *COSIP-COOPERATIVE PROJECT FOR TWO YEAR COLLEGES* (*Y009718*); 33 MONTHS $69,200

COLLEGE AT OSWEGO

ZYCH, DALE A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010145*); 24 MONTHS $900

COLUMBIA UNIVERSITY

LOMAX, ALAN, AND ARENSBURG, CONRAD M; *CHAREOMETRICS A METH FOR COMP ANAL/BEHAVIORAL ISO-MORPHICS IN CULTURE* (*Y009352*); 12 MONTHS $119,710

CORNELL UNIVERSITY

FOTTLE, CHRISTOPHER; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010172*); 24 MONTHS $17,900

HOLCOMB, D F; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010244*); 24 MONTHS $18,400

HUNTER COLLEGE

CECCARINI, COSTANTE; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010243*); 24 MONTHS $13,500

LEHMAN COLLEGE

VALDOVINOS, JACK G; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010352*); 24 MONTHS $10,000

MATHEMATICAL ASSOCIATION OF AMERICA

RHEINBOLDT, WERNER C; *COURSE CONT IMPVMNT, COLLEGE-MATHEMATICS* (*Y010484*); 24 MONTHS $65,800

LUCE, R DUNCAN, *COURSE CONT IMPVMNT, COLLEGE-MATHEMATICS* (*Y010485*); 36 MONTHS $79,900

NEW YORK UNIVERSITY

GOLDSTEIN, MAX; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010240*); 24 MONTHS $16,100

POLYTECHNIC INSTITUTE OF BROOKLYN

CAHILL, PATRICK; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010148*); 24 MONTHS $19,600

RENSSELAER POLYTECHNIC INSTITUTE

LEITNER, ALFRED; *FILMS DEMONSTRATING ATOMIC STRUCTURE VIA ATOMIC SPECTRA* (*Y006934 001*); 12 MONTHS $20,300

WAIT, SAMUEL C JR, AND BAUER, DOUGLAS J; *COSIP-COOPERATIVE PROJECT FOR 2-YR COLLEGES* (*Y009717*); 18 MONTHS $44,200

KAUFMAN, HOWARD; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010076*); 24 MONTHS $5,600

JANZ, G J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010094*); 24 MONTHS $8,000

ST LAWRENCE UNIVERSITY

ENNS, MELVIN P; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010351*); 24 MONTHS $4,300

STATE UNIVERSITY AT BINGHAMTON

STANNARD, CARL; *TECHNICIAN EDUCATION DEVELOPMENT PROGRAM* (*Y009320 001*); 18 MONTHS $99,744

STATE UNIVERSITY AT BUFFALO

LEE, GEORGE C; *DEVELOPMENT OF A SOCIO-ENGINEERING PROGRAM* (*Y009339*); 36 MONTHS $118,925

MARTENS, HINRICH R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010122*); 24 MONTHS $20,000

SYRACUSE UNIVERSITY

COPLIN, WILLIAM D; *DEVEL&DISEMINATION/LEARNING PACKAGES FOR UNDERGRAD ED IN INTERNATL RELA* (*Y009343*); 45 MONTHS $99,100

KLARE, WARREN F; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010100*); 24 MONTHS $20,000

STABLER, EDWARD P; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010105*); 24 MONTHS $14,400

UNIVERSITY OF ROCHESTER

HARBISON, KENNETH G; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010065*); 24 MONTHS $20,000

BANNISTER, T T; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010199*); 24 MONTHS $11,900

NORTH CAROLINA

CATAWBA COLLEGE

GOODMAN, TED W; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010210*); 24 MONTHS $20,000

EAST CAROLINA UNIVERSITY

MATTHEIS, FLOYD E; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010166*); 24 MONTHS $20,000

LENOIR COMMUNITY COLLEGE

KEEL, LOWELL L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010245*); 24 MONTHS $300

NORTH CAROLINA AGRICULTURAL & TECH STATE UNIV

JACKSON, ARTHUR F; *BLACK COLLEGES (FOUR-YEAR)* (*Y009705*); 36 MONTHS $312,200

SULLIVAN, WALTER W; *BLACK COLLEGES (FOUR-YEAR)* (*Y009709*); 36 MONTHS $237,300

THOMPSON JR, C L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010276*); 24 MONTHS $7,200

NORTH CAROLINA STATE UNIVERSITY AT RALEIGH

LYNCH, W K, AND NESBIT, R P; *COSIP-COOPERATIVE PROJECT FOR 2-YR COLLEGES* (*Y009710*); 6 MONTHS $48,700

THEIL, ELIZABETH C; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010200*); 24 MONTHS $4,900

PEMBROKE STATE UNIVERSITY

WALLINGFORD, JOHN S; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010089*); 24 MONTHS $5,300

REGIONAL ED LAB FOR THE CAROLINAS & VIRGINIA

STRALEY, JOSEPH W; *REVITALIZATION OF THE FRESHMAN-SOPHOMORE PHYSICS PROGRAM AT TWENTY COLLEGES* (*Y009231 002**); 12 MONTHS $27,225

SHAW UNIVERSITY

GHOSH, KALYAN K; *BLACK COLLEGES (FOUR-YEAR)* (*Y010440*); 36 MONTHS $342,000

ELKORDY, ABDUL H; *BLACK COLLEGES (FOUR-YEAR)* (*Y010468*); 36 MONTHS $338,600

UNIVERSITY OF NORTH CAROLINA AT GREENSBORO

PUTERBAUGH, WALTER H; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010332*); 24 MONTHS $7,000

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON

THAYER, PAUL A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010165*); 24 MONTHS $4,900

WESTERN CAROLINA UNIVERSITY

MOODY, TED C; *PHYSICAL SCIENCE TEACHERS PROGRAM* (*Y009701*); 24 MONTHS $187,740

WILCOX, J T; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010334*); 24 MONTHS $10,600

NORTH DAKOTA

JAMESTOWN COLLEGE

CLAFLIN, W JOSEPH; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010293*); 24 MONTHS $4,900

NORTH DAKOTA STATE UNIVERSITY

BUCHHOLZ, EUGENE K; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010106*); 24 MONTHS $5,500

UNIVERSITY OF NORTH DAKOTA

LYKKEN, G I; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010088*); 24 MONTHS $1,000

OHIO

BOWLING GREEN STATE UNIVERSITY

KINSTLE, THOMAS H; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010191*); 24 MONTHS $7,100

CASE WESTERN RESERVE UNIVERSITY

KUPER, ALAN B; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010290*); 24 MONTHS $5,600

CLEVELAND STATE UNIVERSITY

KROUSE, CHARLES L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010294*); 24 MONTHS $19,800

FINDLAY COLLEGE

STEPHENS, LAWRENCE J; *COSIP-INDIVIDUAL INSTITUTIONAL PROJECT* (*Y009346*); 18 MONTHS $61,400

HEIDELBERG COLLEGE

FORBES, PRESTON; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010109*); 24 MONTHS $5,500

KENT STATE UNIVERSITY

SPIELBERG, N; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010271*); 24 MONTHS $7,800

KENYON COLLEGE

CLIFFORD, L THOMAS; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010350*); 24 MONTHS $7,700

MARIETTA COLLEGE

PRINCE, ALBERT; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010260*); 24 MONTHS $5,900

MIAMI UNIVERSITY

GRIFFIN, CHARLES C; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010150*); 24 MONTHS $4,800

HEIMSCH, CHARLES; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010363*); 24 MONTHS $8,000

OHIO STATE UNIVERSITY

YOVITS, MARSHALL C; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010273*); 24 MONTHS $7,100

OHIO UNIVERSITY

SMITH, IVAN K; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010085*); 24 MONTHS $2,000

UNIVERSITY OF AKRON

KAYA, AZMI; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010266*); 24 MONTHS $8,400

UNIVERSITY OF CINCINNATI

ALEXANDER, JOHN J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010322*); 24 MONTHS $10,300

UNIVERSITY OF DAYTON

MCDOUGALL, KENNETH J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010288*); 24 MONTHS $[illegible],300

UNIVERSITY OF TOLEDO

JONES JR, MILLARD L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010284*); 24 MONTHS $6,700

WRIGHT STATE UNIVERSITY

GUPTA, NARESH N; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010037*); 24 MONTHS $20,000

OKLAHOMA

EAST CENTRAL STATE COLLEGE

BULMAN, JOHN; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010232*); 24 MONTHS $600

OKLAHOMA STATE UNIVERSITY

MCCOLLOM, KENNETH A; *THE DEVEL&IMPLEMENTATION/A PREPROFESSIONAL INDIVID PRESCRIB INSTR CURR* (*Y009310 001*); 12 MONTHS $59,960

OSCAR ROSE JUNIOR COLLEGE

PARK, ROBERT G; *TECHNICIAN EDUCATION DEVELOPMENT PROGRAM INDIVIDUAL INST* (*Y010481*); 15 MONTHS $125,000

SOUTHEASTERN STATE COLLEGE

EGGLETON, GORDON; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010285*); 24 MONTHS $1,500

SOUTHWESTERN STATE COLLEGE

ARMOUDIAN, GARABED; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010112*); 24 MONTHS $9,000

ARMOUDIAN, GARABED; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010158*); 24 MONTHS $2,[illegible]00

HAMM, DONALD I; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010326*); 24 MONTHS $3,500

UNIVERSITY OF OKLAHOMA

BLISS, HORACE H, AND DUNCAN, HOYT D; *COSIP-COOPERATIVE PROJECT FOR 2-YR COLLEGES* (*Y009726*); 15 MONTHS $47,000

KURIGER, WILLIAM L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010174*); 24 MONTHS $6,700

UNIVERSITY OF TULSA

MCCOY, JEROME D; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010177*); 24 MONTHS $5,300

OREGON

LANE COMMUNITY COLLEGE

PARRO, EUGENE Z; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010311*); 24 MONTHS $2,200

OREGON STATE UNIVERSITY

LAWRENCE, ROBERT; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010114*); 24 MONTHS $5,000

KLINGEMAN, PETER C; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010189*); 24 MONTHS $2,500

LARSON, MILTON B; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010279*); 24 MONTHS $9,600

PORTLAND STATE UNIVERSITY

MCCLURE, DAVID W; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010092*); 24 MONTHS $3,5[illegible]

REED COLLEGE

WEIR, WILLIAM D; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010202*); 24 MONTHS $20,000

PENNSYLVANIA

ALBRIGHT COLLEGE

HELLER, MORGAN S; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010048*); 24 MONTHS $6,100

ALLEGHENY COLLEGE

BIVENS, RICHARD L; *COLLEGE SCIENCE IMPROVEMENT PROGRAM (INDIVIDUAL INSTITUTIONAL PROJECTS)* (*Y009326*); 36 MONTHS $299,700

BUCKNELL UNIVERSITY

NICKELSEN, RICHARD; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010064*); 24 MONTHS $2,100

TONZETICH, JOHN; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010154*); 24 MONTHS $6,400

ADKINS, DAVID M; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010357*); 24 MONTHS $4,300

CARNEGIE-MELLON UNIVERSITY

LUPIS, C H P; *A PEDAGOGICAL TOOL FOR THE TEACHING OF METALLURGY& MATERIALS SCIENCE* (*Y009336*); 24 MONTHS $83,260

CHATHAM COLLEGE

HESS, CONRAD M; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010125*); 24 MONTHS $4,000

CHEYNEY STATE COLLEGE

OLIVER, JAMES B; *BLACK COLLEGES (FOUR-YEAR)* (*Y010467*); 24 MONTHS $287,400

ELIZABETHTOWN COLLEGE

LAUGHLIN, RONALD L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010375*); 24 MONTHS $2,700

FRANKLIN AND MARSHALL COLLEGE

STEWART, CHARLES N; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010144*); 24 MONTHS $3,900

WARD, WILLIAM F; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010168*); 24 MONTHS $5,800

HAVERFORD COLLEGE

DUNATHAN, H C; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM* (*Y010291*); 24 MONTHS $14,600

JUNIATA COLLEGE

SCHETTLER, PAUL D; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010221)*; 24 MONTHS $5,500

KEYSTONE JUNIOR COLLEGE

CUPILLARI, THOMAS G; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y009702)*; 12 MONTHS $3,430

LASALLE COLLEGE

WILLENS, JEFFREY B; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010376)*; 24 MONTHS $3,000

LEHIGH UNIVERSITY

LUYBEN, W L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010403)*; 24 MONTHS $14,700

PENNSYLVANIA STATE UNIVERSITY

WEIDHAAS, ERNEST R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010183)*; 24 MONTHS $4,900

PMC COLLEGES

GOTTLIEB, IRVIN M; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010377)*; 24 MONTHS $1,700

SUSQUEHANNA UNIVERSITY

GIFFIN, GYNITH; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010167)*; 24 MONTHS $5,400

SWARTHMORE COLLEGE

GILBERT, CHARLES E; *COSIP-INDIVIDUAL INSTITUTIONAL PROJECT (Y009345)*; 42 MONTHS $270,400

TEMPLE UNIVERSITY

CREAMER, ROBERT H; *TECHNICIAN EDUCATION DEVELOPMENT PROGRAM (Y010475)*; 36 MONTHS $130,000

UNIVERSITY OF PITTSBURGH

FLEMING, JOHN F; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010208)*; 24 MONTHS $17,800

UNIVERSITY OF SCRANTON

DUNSTONE, JOHN J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010339)*; 24 MONTHS $5,600

WASHINGTON AND JEFFERSON COLLEGE

VINSON, JOE A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010057)*; 24 MONTHS $3,700

WAYNESBURG COLLEGE

LACOUNT, ROBERT B; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010260)*; 24 MONTHS $3,600

PENNSYLVANIA STATE UNIVERSITY-BEAVER CAMPUS

WEIDHAAS, ERNEST R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010188)*; 24 MONTHS $4,900

PUERTO RICO

INTER AMERICAN UNIVERSITY OF PUERTO RICO

VERTER, HERBERT S; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010362)*; 24 MONTHS $6,300

RHODE ISLAND

PROVIDENCE COLLEGE

NASSIFF, PETER J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010356)*; 24 MONTHS $900

RHODE ISLAND COLLEGE

NAZARIAN, JOHN; *PILOT PROG/AN INNOVATIVE METHOD/TRAINING CHEMISTRY PHYSICS TEACHERS (Y010033)*; 27 MONTHS $73,300

UNIVERSITY OF RHODE ISLAND

COBB, J STANLEY; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y01005[illegible])*; 24 MONTHS $16,800

POULARIKAS, ALEXANDER; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010281)*; 24 MONTHS $10,000

SOUTH CAROLINA

CLEMSON UNIVERSITY

HELGERT, H J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010254)*; 24 MONTHS $10,900

FRIENDSHIP JUNIOR COLLEGE

SEN, SHUKDEB; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010306)*; 24 MONTHS $3,100

FURMAN UNIVERSITY

SMITH, GARY C; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010115)*; 24 MONTHS $7,960

BREWER, CHARLES L; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010227)*; 24 MONTHS $3,900

PRESBYTERIAN COLLEGE

JAMES, FREDERICK C; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010325)*; 24 MONTHS $8,800

S C STATE BRD TECHNICAL & COMPREHENSIVE EDU

SCOTT, W WAYNE; *TED TEC(TECHNICIAN EDUC DEVELOPMENT FOR TECHNICAL EDUCATION CENTERS) (Y010479)*; 27 MONTHS $213,150

SPARTANBURG COUNTY TECHNICAL EDUCATION CENTER

WINGATE, JAMES A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010400)*; 24 MONTHS $9,000

UNIVERSITY OF SOUTH CAROLINA

HOLMES, ROGER A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010220)*; 24 MONTHS $20,000

SOUTH DAKOTA

MOUNT MARTY COLLEGE

DIGGINS, SR KIERAN; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010130)*; 24 MONTHS $6,000

SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY

GROVES, WILLIAM N; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010062)*; 24 MONTHS $7,000

SOUTH DAKOTA STATE UNIVERSITY

NELSON, GORMAN R; *EVALUATION AND CONTINUED DEVELOPMENT OF GEOMETRIC AND GRAPHIC AIDS FOR COLLEGE CALCULUS (Y006901 002)*; 3 MONTHS $4,950

TUNHEIM, JERALD A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010218)*; 24 MONTHS $4,100

TENNESSEE

CHRISTIAN BROTHERS COLLEGE

STRAIGHT, JAMES W; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010349)*; 24 MONTHS $[illegible],700

EAST TENNESSEE STATE UNIVERSITY

HUANG, THOMAS T S; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010391)*; 24 MONTHS $3,000

LAMBUTH COLLEGE

BEASLEY, JAMES G; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010374)*; 24 MONTHS $1,200

LANE COLLEGE

MCCLURE, WESLEY C; *BLACK COLLEGES (FOUR-YEAR) (Y009706)*; 39 MONTHS $240,900

OAK RIDGE ASSOCIATED UNIVERSITIES

DUGGAN, JEROME L; *SCIENCE CURRICULUM IMPROVEMENT PROGRAM (AG00386)*; 24 MONTHS $53,400

TENNESSEE TECHNOLOGICAL UNIVERSITY

MARTIN, ROBERT E; *TECH AQUA PROJECT (Y007679 001*)*; $30,000

UNIVERSITY OF TENNESSEE, KNOXVILLE

BISHOP JR, ASA ORIN; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010169)*; 24 MONTHS $20,000

NOEL, CHARLES J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010292)*; 24 MONTHS $10,800

UNIVERSITY OF THE SOUTH

CAMP, DAVID B; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010049)*; 24 MONTHS $4,900

VANDERBILT UNIVERSITY

MARX, MORRIS L, AND SULLIVAN, G WAYNE; *COSIP-COOPERATIVE PROJECT FOR 2-YR COLLEGES (Y009721)*; 30 MONTHS $33,800

WAGNER, ROBERT A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010242)*; 24 MONTHS $9,900

TEXAS

AMARILLO COLLEGE

ADKINS, A F; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010309)*; 24 MONTHS $3,800

AUSTIN COLLEGE

MACKEY, J LINN; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010182)*; 24 MONTHS $17,700

DALLAS BAPTIST COLLEGE

ROBBINS, HERBERT C; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010399)*; 24 MONTHS $1,600

HOUSTON BAPTIST COLLEGE

WARREN, DORIS C; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010274)*; 24 MONTHS $1,500

LUBBOCK CHRISTIAN COLLEGE

SHERROD, LYNN; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010381)*; 24 MONTHS $1,000

SOUTHERN METHODIST UNIVERSITY

NARDIZZI, LOUIS R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010155)*; 24 MONTHS $8,800

ST MARYOS UNIVERSITY OF SAN ANTONIO

MACHIA, BOLLERA; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010044)*; 24 MONTHS $1,900

FETZER, HOMER D; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010107)*; 24 MONTHS $2,900

TEXAS A & M UNIVERSITY

PLASS, GILBERT; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010321)*; 24 MONTHS $10,400

TEXAS CHRISTIAN UNIVERSITY

BRITTON, JOSEPH C; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010246)*; 24 MONTHS $4,900

TEXAS LUTHERAN COLLEGE

BIER, H D; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010084)*; 24 MONTHS $6,500

TEXAS SOUTHERN UNIVERSITY

INGRAM, THEODORE; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010132)*; 24 MONTHS $2,000

TEXAS STATE TECHNICAL INSTITUTE

RONEY, MAURICE W; *A CONFERENCE TO EXPLORE THE NEED FOR RESEARCH AND DEVELOPMENT IN TECHNICAL EDUCATION (Y009707)*; 6 MONTHS $8,200

TEXAS TECH UNIVERSITY

KRISTIANSEN, M; *DEVELOPMENT OF LASER EXPERIMENTS FOR UNDERGRADUATE ELECTRICAL ENGINEERING STUDENTS (Y004761 002)*; 12 MONTHS $700

TROST, THOMAS F; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010070)*; 24 MONTHS $9,200

PORTNOY, WILLIAM M; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010233)*; 24 MONTHS $3,300

UNIV OF TEXAS AT ARLINGTON

BAERWALDT, JAMES; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010237)*; 24 MONTHS $4,700

UNIV OF TEXAS AT AUSTIN

LEE, ADDISON E; *DEVELOPMENT OF A NEW INTERDISCIPLINARY EARTH SCIENCE COURSE (Y009335)*; 12 MONTHS $86,694

ALLAN, J J LAGOWSKI&J J; *COURSE CONT IMPVMNT, COLLEGE-INTERDISCIPLINARY USE/COMPUTER-BASED TEACHING TECHNIQUES IN UNDER-GRAD SCI & ENG EDUC (Y009340)*; 12 MONTHS $337,150

BOYER, ROBERT E, AND LOKKE, DONALD H; *COSIP-COOPERATIVE PROJECT FOR 2-YR COLLEGES (Y009727)*; 15 MONTHS $68,900

NOLLE, A WILSON; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010134)*; 24 MONTHS $6,100

SCHMIDT, PHILIP S; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010163)*; 24 MONTHS $19,500

UNIV OF TEXAS AT EL PASO

MAXWELL, GERALD G; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010124)*; 24 MONTHS $20,000

CANARIS, A G; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010346)*; 24 MONTHS $14,700

UNIVERSITY OF HOUSTON

WALKER, ROBERT H; *A COORDINATED PROGRAM IN PHYSICAL SCIENCE AND METHODS FOR PRE-SERVICE ELEMENTARY TEACHERS (Y009354)*; 26 MONTHS $234,615

TRAYLOR, D REGINALD, AND GILSON, CLAUDE F; *COSIP-COOPERATIVE PROJECT FOR 2-YR COLLEGES (Y009728)*; 9 MONTHS $46,700

WILEY COLLEGE

BEIL, RALPH GREGORY; *BLACK COLLEGES (FOUR-YEAR) (Y010486)*; 24 MONTHS $166,600

UTAH

BRIGHAM YOUNG UNIVERSITY

CHASE, KENNETH WAYNE; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010404)*; 24 MONTHS $9,000

UNIVERSITY OF UTAH

BAER, A D; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010043)*; 24 MONTHS $2,000

HATHAWAY, RALPH R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010229)*; 24 MONTHS $3,700

UTAH STATE UNIVERSITY

FLETCHER, WILLIAM I; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010080)*; 24 MONTHS $13,400

VERMONT

NORWICH UNIVERSITY

PYPER, GORDON R; *TECHNICIAN EDUCATION DEVELOPMENT PROGRAM INDIVIDUAL INST (Y010480)*; 36 MONTHS $175,240

UNIVERSITY OF VERMONT

BROWN, DAVID B; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010090)*; 24 MONTHS $9,200

VIRGINIA

NONE; *OTHER PROGRAM AWARDS (01AWDS)*; $1,500

AVERETT COLLEGE

BRACHMAN, RUSSELL C; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010228)*; 24 MONTHS $5,900

COLLEGE OF WILLIAM AND MARY

CRAWFORD, GEORGE W; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010201)*; 24 MONTHS $2,500

HAMPTON INSTITUTE

DUNCAN, NANCY C; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010127)*; 24 MONTHS $800

NORFOLK STATE COLLEGE

HARRIS, JONATHAN T; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010298)*; 24 MONTHS $2,900

OLD DOMINION UNIVERSITY

KUPER, HARRY S; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010050)*; 24 MONTHS $4,300

DEAL, JOSEPH H; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010171)*; 24 MONTHS $14,600

UNIVERSITY OF RICHMOND

TOWLE, DAVID W; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010192)*; 24 MONTHS $6,600

UNIVERSITY OF VIRGINIA

MOCHEL, EDWARD V; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010099)*; 24 MONTHS $2,300

HAVILAND, JOHN KENNETH; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010251)*; 24 MONTHS $3,900

HUBBARD, ROBERT M; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010259)*; 24 MONTHS $5,500

VIRGINIA COMMONWEALTH UNIVERSITY

WORLAND, PETER B; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010120)*; 24 MONTHS $5,000

VIRGINIA STATE COLLEGE

STONE, DAVID M; *COSIP-INDIVIDUAL INSTITUTIONAL PROJECT (Y009344)*; 18 MONTHS $137,700

BECK, JAMES D; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010097)*; 24 MONTHS $4,800

WASHINGTON

EDMONDS COMMUNITY COLLEGE

HARDY, SHEILA A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010313)*; 24 MONTHS $4,300

GONZAGA UNIVERSITY

REMONDINI, DAVID J; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010382)*; 24 MONTHS,$2,300

NORTHWEST COLLEGE

GUSTAFSON, J PHILIP; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010388)*; 24 MONTHS $500

SEATTLE PACIFIC COLLEGE

BRUCE, DAVID S; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010282)*; 24 MONTHS $5,600

UNIVERSITY OF PUGET SOUND

BLANKS, GEORGE A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010380)*; 24 MONTHS $4,700

WASHINGTON STATE UNIVERSITY

AUSTIN, GEORGE T; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010234)*; 24 MONTHS $3,800

CROSBY, GLENN A; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010335)*; 24 MONTHS $18,000

WEST VIRGINIA

WEST VIRGINIA UNIVERSITY

HAMILTON, R M; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010378)*; 24 MONTHS $6,500

SWARTWOUT, ROBERT E; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010379)*; 24 MONTHS $4,100

WISCONSIN

CARROLL COLLEGE

FALLGATTER, MICHAEL; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010278)*; 24 MONTHS $6,100

DISTRICT ONE TECHNICAL INSTITUTE

ATKINS, WAYNE R; *TECHNICIAN EDUCATION DEVELOPMENT PROGRAM INDIVIDUAL INST (Y010482)*; 36 MONTHS $73,960

LAWRENCE UNIVERSITY

CAMPOS, FRANCIS THOMAS; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010095)*; 24 MONTHS $12,400

MILWAUKEE SCHOOL OF ENGINEERING

BRAUN, ROBERT W; *TECHNICIAN EDUCATION DEVELOPMENT PROGRAM INDIVIDUAL INST (Y010477)*; 12 MONTHS $33,680

UNIVERSITY OF WISCONSIN, MILWAUKEE

STEBER, GEORGE R; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010345)*; 24 MONTHS $9,200

WISCONSIN STATE UNIVERSITY, EAU CLAIRE

DUERST, RICHARD; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010119)*; 24 MONTHS $3,200

SMOOT, KENNETH E; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010360)*; 24 MONTHS $6,100

WISCONSIN STATE UNIVERSITY, OSHKOSH

JONES, NORRIS W; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010277)*; 24 MONTHS $11,500

WISCONSIN STATE UNIVERSITY, SUPERIOR

MEYER, FRANK H; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010337)*; 24 MONTHS $5,800

WYOMING

UNIVERSITY OF WYOMING

PEPIN, THEODORE JOHN; *INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM (Y010364)*; 24 MONTHS $10,000

GRADUATE LEVEL

CALIFORNIA

CALIFORNIA STATE COLLEGE AT SONOMA

BENKO, PAUL V; *PROMOTING PUBLIC UNDERSTANDING OF SCIENCE THROUGH ENVIRONMENTAL EDUCATION (M034980)*; 15 MONTHS $51,100

STANFORD UNIVERSITY

RUBIN, DAVID M; *STUDY ON MASS MEDIA COVERAGE OF ENVIRONMENTAL PROBLEMS (Z001777 002)*; 4 MONTHS $7,000

DUNN, DONALD A; *CREATION OF A TESTBED FOR INNOVATIVE EDUCATIONAL TV EXPERIMENTS (Z002557)*; 12 MONTHS $99,490

UNIVERSITY OF CALIFORNIA, BERKELEY

KING, C JUDSON; *GRADUATE PROGRAM IN CHEMICAL PROCESS DESIGN AND ENGINEERING (Z000775 002)*; 12 MONTHS $23,220

TANNENBAUM, PERCY H; *INTERDISCIPLINARY GRADUATE PROGRAM IN POLICY ANALYSIS (Z002300)*; 18 MONTHS $101,900

UNIVERSITY OF CALIFORNIA, LOS ANGELES

LIBBY, WILLARD F; *DOCTORAL PROGRAM IN ENVIRONMENTAL SCIENCE AND ENGINEERING (Z002269)*; 12 MONTHS $198,555

KERNAN, GERARD; *INTERDISCIPLINARY STUDENT-ORIGINATED RESEARCH TRAINING- PLANNING FOR METEOROLOGICAL AND POLLUTANT MEASUREMENT NETWORKS IN CALIFORNIA (Z002273)*; 17 MONTHS $22,550

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

JACCARINO, VINCENT; *MASTERS DEGREE PROGRAM IN SCIENTIFIC INSTRUMENTATION (Z002276)*; 24 MONTHS $117,150

COLORADO

THORNE ECOLOGICAL INSTITUTE

WILLARD, BEATRICE E, AND OAKLEIGH, THORNE II; *PARTIAL SUPPORT FOR SEMINAR ON ENVIRONMENTAL ARTS AND SCIENCES (M034065)*; 12 MONTHS $15,000

UNIVERSITY OF COLORADO

BARNES, FRANK S; *AN INTERDISCIPLINARY EDUCATION PROGRAM IN TELECOMMUNICATIONS (Z002171 001)*; 12 MONTHS $60,300

UNIVERSITY OF DENVER

YEGGE, ROBERT B; *MASTER OF SCIENCE IN LAW AND SOCIETY DEGREE (Z002271)*; 12 MONTHS $50,080

YEGGE, ROBERT B; *MASTER OF SCIENCE IN LAW AND SOCIETY DEGREE (Z002271 001)*; $14,126

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS (01AWDS)*; $611

AMERICAN ASSOCIATION FOR ADVANCEMENT SCIENCE

BEVAN, WILLIAM; *EXCHANGE OF SCIENTISTS WITH THE ALL-UNION SOCIETY 'ZNANIYE' U.S.S.R. (F031825*)*; 36 MONTHS $16,050

BUTLER, JAMES C; *SCIENCE '71- A REPORT TO THE NATION (M031433)*; 3 MONTHS $25,000

BUTLER, JAMES C; *SCIENCE '71- A REPORT TO THE NATION AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE (M031433 001)*; 1 MONTHS $2,470

BUTLER, JAMES C; *COMMUNICATIONS PROGRAMS IN THE PUBLIC UNDERSTANDING OF SCIENCE AND TECHNOLOGY (M033861)*; 6 MONTHS $150,000

AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES

OLIVE, JOHN R; *SECOND NATIONAL BIOLOGICAL CONGRESS (B031327*)*; 12 MONTHS $10,000

CENTER FOR GOVERNMENTAL STUDIES

FREDERICKSON, H GEORGE; *PREPARATION OF EDUCATIONAL MATERIALS ON PUBLIC POLICY, ADMINISTRATION, AND URBAN NEIGHBORHOODS (Z002270)*; 12 MONTHS $44,660

CORPORATION FOR PUBLIC BROADCASTING

RUBIN, PHILIP A; *FILM ON CABLE TELEVISION (I032184*)*; 6 MONTHS $5,000

D C CNCL ENGINEERING & ARCHITECTURAL SOC INC

MORAN, DAVID H; *TELEVISED FORUMS ON TECHNOLOGY AND SOCIETY (M032607)*; 7 MONTHS $12,500

FEDERAL CITY COLLEGE

SAVITZ, MAXINE L; *SCIENCE MOBILE LABORATORY PROJECT FOR DISTRICT OF COLUMBIA SCHOOLS AND COMMUNITY (W006349 001*)*; 18 MONTHS $18,176

GEORGE WASHINGTON UNIVERSITY

LOGSDON, JOHN M; *SCIENCE, TECHNOLOGY AND PUBLIC POLICY (S034902*)*; 36 MONTHS $64,900

GEORGETOWN UNIVERSITY

RAMEY, ESTELLE R; *SEMINAR SERIES- PUBLIC POLICY AND THE DIRECTION OF AMERICAN SCIENCE AND TECHNOLOGY (M029819 001)*; 6 MONTHS $5,000

GREATER WASHINGTON EDUCATIONAL TV ASSOCIATION

NEWMAN, ROBERT; *DOCUMENTARY PROFILES OF CONTEMPORARY AMERICAN SCIENTISTS, (M032183)*; 6 MONTHS $4,800

SCIENCE SERVICE INC

SHERBURNE, E; *GENERAL SUPPORT GRANT TO SCIENCE SERVICE (M028750 001)*; 12 MONTHS $100,000

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

KELLY, WILLIAM C; *PARTIAL SUPPORT OF THE NATIONAL BOARD ON GRADUATE EDUCATION (C310222)*; 12 MONTHS $50,000

FLORIDA

FLORIDA ATLANTIC UNIVERSITY

SCHEIDELL, JOHN M; *AN EXPERIMENT IN THE USE OF TIME SHARING FOR STRENGTHENING GRADUATE EDUCATION IN ECONOMICS AND THE OTHER SOCIAL SCIENCES (Z002275)*; 12 MONTHS $42,455

GEORGIA

EMORY UNIVERSITY

DOBY, JOHN T; *EXPERIMENTAL PLANNING-RETRAINING PROJECT FOR THE REORIENTATION OF SCIENTISTS AND TECHNOLOGISTS (Z002254)*; 3 MONTHS $51,220

LESTER, CHARLES T; *EXPERIMENTAL PLANNING-RETRAINING PROJECT FOR THE REORIENTATION OF SCIENTISTS AND TECHNOLOGISTS (Z002254 001*)*; 6 MONTHS $0

GEORGIA INSTITUTE OF TECHNOLOGY

PARSONSON, PETER S; *TRAINING AIDS IN TRAFFIC-SIGNAL ENGINEERING (Z002561)*; 15 MONTHS $49,960

GEORGIA STATE UNIVERSITY

HADLEY, JOSEPH H; *STRENGTHENING OF GRADUATE INSTRUCTIONAL PROGRAM IN PHYSICS (Z001800 001)*; 13 MONTHS $38,140

HAWAII

UNIVERSITY OF HAWAII

HARRENSTEIN, HOWARD P; *ENVIRONMENTAL CONFERENCES ON THE PUBLIC UNDERSTANDING OF SCIENCE FOR HAWAII (M034032)*; 12 MONTHS $43,100

ILLINOIS

UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE

LIPSON, JOSEPH; *ALTERNATIVE DOCTORAL PROGRAM IN SCIENCE EDUCATION (Z002564)*; 39 MONTHS $114,955

UNIVERSITY OF ILLINOIS AT URBANA

UMPLEBY, STUART A; *SOCIAL CYBERNETICS AND COMPUTER-BASED COMMUNICATIONS MEDIA (Z002538)*; 14 MONTHS $26,110

MICHIGAN

MICHIGAN STATE UNIVERSITY

ENKE, CHRISTIE G; *INTERDISCIPLINARY PROGRAM IN SCIENTIFIC INSTRUMENTATION (Z002297)*; 30 MONTHS $86,720

WESTERN MICHIGAN UNIVERSITY

MANIS, JEROME G; *THE URBAN COMMUNITY AS LAB AN APPROACH TO THE SCI STUDY/SOC PROBLEMS (Z002298)*; 18 MONTHS $34,980

MISSOURI

ST LOUIS AQUACENTER INC

KENDALL, HENRY C; *FEASIBILITY STUDY ON CONVERSION OF SPANISH PAVILION TO AN AQUARIUM/ECOLOGY COMPLEX (M034281)*; 12 MONTHS $15,500

UNIVERSITY OF MISSOURI, COLUMBIA

STEPHENSON, WILLIAM; *SEMINAR SERIES ON SCIENCE FOR NEWS EDITORS (M034938)*; 9 MONTHS $50,000

NEW YORK

AMERICAN INSTITUTE OF PHYSICS

SLACK, LEWIS; *FILM PRODUCTION IN PHYSICS AND ASTRONOMY (M030585)*; 12 MONTHS $64,900

SLACK, LEWIS; *FILM PRODUCTION IN PHYSICS AND MEDICINE (M030585 001)*; 8 MONTHS $29,900

AUDIO PRODUCTIONS

MOONEY, PETER J; *SEARCH ENCOUNTERS WITH SCIENCE (C664000 002)*; 3 MONTHS $1,000

MOONEY, PETER J; *AMENDMENT OF CONTRACT NSF C664 (C664000 003)*; $5,000

CITY UNIVERSITY OF NEW YORK SYSTEM OFFICE

HAYWARD, D GEOFFREY; *INTERDISCIP STUD ORIG RESCH TRNG PROBLEM SOLVING IN URBAN PLAYGROUNDS (Z002562)*; 6 MONTHS $21,790

NEW YORK UNIVERSITY

LANDIS, FRED; *DEVELOPMENT OF A COOPERATIVE GRADUATE PROGRAM IN ENGINEERING AND PUBLIC ADMINISTRATION (Z002274)*; 24 MONTHS $79,615

QUEENS COLLEGE

MAZIN, GEORGE; *POPULATION DENSITY AND SOCIAL PATHOLOGY IN SELECTED AREAS OF NEW YORK CITY (Y009659*)*; 12 MONTHS $4,280

ROCKEFELLER UNIVERSITY

KONE, EUGENE H; *BASIC RESEARCH AND HUMAN WELFARE (M031341)*; 9 MONTHS $99,000

STATE UNIVERSITY AT BUFFALO

MARTENS, HINRICH R; *A NEW PROGRAM IN MECHANICAL ENGINEERING DESIGN (Z002299)*; 24 MONTHS $81,705

UNITED ENGINEERING TRUSTEES

SHAW, MILTON C; *PARTIAL SUPPORT OF A CONFERENCE ON MAKING GRADUATE ENGINEERING MORE RELEVANT TO INDUSTRIAL NEEDS (Z002563)*; 6 MONTHS $2,500

OHIO

BATTELLE MEMORIAL INSTITUTE

TRESSEL, GEORGE W; *FILMED REPORT ON THE 'STATE OF SCIENCE' (M032291)*; 5 MONTHS $53,210

PENNSYLVANIA

PENNSYLVANIA STATE UNIVERSITY

FUNKHOUSER, G RAY; *WORKSHOP ON THE GOALS AND METHODS OF ASSESSING THE PUBLIC'S UNDERSTANDING OF SCIENCE (M035058)*; 6 MONTHS $17,500

UNIVERSITY OF PITTSBURGH

BELZER, JACK; *STUDY AND WORKSHOP ON CURRICULUM DEVELOPMENT IN INFORMATION SCIENCE (Z002525)*; 18 MONTHS $25,320

TENNESSEE

TENNESSEE TECHNOLOGICAL UNIVERSITY

MARTIN, ROBERT E; *TECH AQUA PROJECT (Y007679 001*)*; $10,150

WASHINGTON

UNIVERSITY OF WASHINGTON

WENK, EDWARD JR; *SOCIAL MANAGEMENT OF TECHNOLOGY (Q000002 001*)*; 15 MONTHS $28,000

PLANNING AND POLICY STUDIES AND INTERGOVERNMENTAL SCIENCE PROGRAMS

CALIFORNIA

STANFORD UNIVERSITY

DUNN, D A, PARKER, E B, AND ROSSE, J N; *COMMUNICATIONS TECHNOLOGY AND PUBLIC POLICY* (*S033832*); 12 MONTHS $104,200

DUNN, D A, PARKER, E B, AND ROSSE, J N; *COMMUNICATIONS TECHNOLOGY AND PUBLIC POLICY* (*S033832 001*); $2,300

COLORADO

NONE; *OTHER PROGRAM AWARDS* (*01AWDS*); $2,500

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS* (*04AWDS*); $7,805

AMERICAN PSYCHOLOGICAL ASSOCIATION

COOK, STUART W; *ETHICAL STANDARDS FOR PSYCHOLOGICAL RESEARCH* (*S033901*); 6 MONTHS $5,500

AUTOMATED SYSTEMS CORPORATION

MORRISON, HOWARD I; *SURVEY SYSTEM TASK ORDER AMENDMENT FOR- PHASE II, UNIVERSITY* (*C576010 002*); 1 MONTHS $3,511

MORRISON, HOWARD I; *CASE MODULE 4, PHASE I, NSF-C684, T.O. 5 (THIS IS A FIXED-PRICE CONTRACT)* (*C684005*); 3 MONTHS $12,351

BROOKINGS INSTITUTION

BROWN, SEYOM, AND FABIAN, LARRY L; *THE IMPACT OF TECHNOLOGICAL CHANGE ON AMERICAN FOREIGN POLICY AND INTERNATIONAL ORGANIZATIONS* (*S031301 X00*); 12 MONTHS $124,800

GENERAL SERVICES ADMINISTRATION

PERDUE, JOHN; *PROGRAMMING SERVICES FOR 'EARNED DEGREES CONFERRED' PROJECT INTERAGENCY AGREEMENT NO. WITH GSA* (*CA77001*); 2 MONTHS $10,003

GEORGE WASHINGTON UNIVERSITY

LOGSDON, JOHN M; *SCIENCE, TECHNOLOGY AND PUBLIC POLICY* (*S034902**); 36 MONTHS $52,000

NSF CONTRACTS

; *DEGREE DATA IN THE ITRF* (*C684004*); 2 MONTHS $1,943

JOHNS HOPKINS UNIVERSITY-SCHOOL OF ADVANCED INTERNATIONAL STUDIES

OSGOOD, ROBERT E; *UNITED STATES OCEAN POLICY PROJECT* (*S032768*); 12 MONTHS $86,900

ILLINOIS

NORTHWESTERN UNIVERSITY

RUBENSTEIN, ALBERT H; *A STUDY OF FACTORS UNDERLYING THE INTERNATIONAL TECHNOLOGICAL COMPETITIVENESS AND R & D PRODUCTIVITY OF U.S. FIRMS* (*S033393*); 12 MONTHS $70,200

INDIANA

INDIANA UNIVERSITY, BLOOMINGTON

MULLINS, NICHOLAS C; *THE STRUCTURE OF THE FEDERAL SCIENCE ADVISING SYSTEM* (*S032769*); 24 MONTHS $49,600

MARYLAND

NONE; *OTHER PROGRAM AWARDS* (*02AWDS*); $2,125

MASSACHUSETTS

NONE; *OTHER PROGRAM AWARDS* (*03AWDS*); $5,915

HARVARD UNIVERSITY

PRICE, DON K; *SCIENCE AND PUBLIC POLICY* (*S035057*); 12 MONTHS $22,800

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

ODONI, AMEDEO; *DOCTORAL DISSERTATION RESEARCH ON SCIENCE POLICY* (*S031928*); 12 MONTHS $2,800

SCIENCE AND PUBLIC POLICY STUDIES GROUP

SKOLNIKOFF, EUGENE B; *SCIENCE AND PUBLIC POLICY STUDIES GROUP-TRANSITIONAL SUPPORT* (*S031155*); 24 MONTHS $15,000

MICHIGAN

UNIVERSITY OF MICHIGAN

CHEN, KAN; *POLICY RESEARCH ON POPULATION AND ENVIRONMENT* (*S031522*); 12 MONTHS $67,800

NEW YORK

COLUMBIA UNIVERSITY

MERTON, ROBERT K; *THE SOCIOLOGY OF SCIENCE* (*S033359 X00**); 12 MONTHS $40,000

OKLAHOMA

UNIVERSITY OF OKLAHOMA

WHITE, IRVIN L; *DOCTORAL DISSERTATION RESEARCH ON SCIENCE POLICY* (*S035069*); 12 MONTHS $2,300

VIRGINIA

NONE; *OTHER PROGRAM AWARDS* (*01AWDS*); $2,500

APPLIED DATA RESEARCH INC-PRINCETON-APPLIED DATA RESEARCH -WASHINGTON

HOLMBURG, DALE L; *TASK ORDER FOR COMPUTER PROGRAMS FOR CASE REPORTING SYSTEMS MODULES 1, 2, AND 3. APPLIED DATA RESEARCH, INC. NSF-C683 T.O. 1* (*C683001*); 1 MONTHS $6,762

HOLMBURG, DALE L; *CASE MODULE 4, PHASE II, NSF-C683, T.O. NO.* (*C683003*); 2 MONTHS $9,275

UNIVERSITY OF VIRGINIA-GEORGE MASON COLLEGE

KREILKAMP, KARL; *RESEARCH IN THE THEORY OF SCIENCE POLICY* (*S032103*); 9 MONTHS $17,500

WASHINGTON

UNIVERSITY OF WASHINGTON

WENK, EDWARD JR; *SOCIAL MANAGEMENT OF TECHNOLOGY* (*Q000002 001**); 15 MONTHS $86,300

STUDIES OF SCIENTIFIC AND TECHNICAL MANPOWER RESOURCES

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS* (*03AWDS*); $5,161

AMERICAN COUNCIL ON EDUCATION

BAYER, ALAN E, AND CREAGER, JOHN A; *A PLANNING PROGRAM FOR CONTINUING STUDIES OF RECENT ENTRANTS TO SCIENCE AND ENGINEERING* (*C741000*); 8 MONTHS $49,375

BUREAU OF LABOR STATISTICS

MOORE, GEOFFREY H; *EMPLOYMENT OF SCIENTISTS AND ENGINEERS 1950-1970* (*CA78000*); 12 MONTHS $35,000

MOORE, GEOFFREY H; *THE IMPACT OF FEDERAL EXPENDITURES AND PROGRAMS ON SCIENTIFIC AND TECHNICAL EMPLOYMENT REQUIREMENT* (*CA89000*); 12 MONTHS $100,000

IMMIGRATION & NATURALIZATION SERVICE

LOUGHRAN, E A; *REQUEST FOR PUNCH CARDS CONTAINING DATA RELATING TO IMMIGRANTS ADMITTED IN THE PROFESSIONAL, TECHNICAL, AND KINDRED WORKERS GROUP AND NONIMMIGRANT TABULATIONS FOR FY 1971* (*CA71000*); 6 MONTHS $700

NATIONAL PLANNING ASSOCIATION

LECHT, LEONARD A, AND SKAGGS, ALLEN H; *ASSESSING THE IMPACT OF CHANGES IN NATIONAL PRIORITIES FOR THE UTILIZATION OF SCIENTISTS AND ENGINEERS IN THE 1970'S* (*R032464*); 9 MONTHS $75,928

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

SOLDZ, HERBERT; *TASK ORDER FOR AN EXPLORATORY STUDY CONCERNING A COMPREHENSIVE FILE ON SCIENCE AND ENGINEERING DOCTORATES* (*C310224*); 4 MONTHS $32,800

KELLY, W C; *DEVELOPMENT OF A COMPREHENSIVE ROSTER OF DOCTORATES IN THE SCIENCES AND ENGINEERING* (*C310239*); 9 MONTHS $176,090

MARYLAND

BUREAU OF THE CENSUS

BROWN, GEORGE; *PROCESSING OF DATA FOR THE 1970 POSTCENSAL STUDY OF SCIENTIFIC, ENGINEERING, AND TECHNICAL MANPOWER* (*CA52000 001*); 12 MONTHS $183,000

WEITZMAN, MURRAY S; *DEVELOPING A SCIENCE AND ENGINEERING MANPOWER DATA SYSTEM* (*CA82000*); 5 MONTHS $175,000

VIRGINIA

NONE; *OTHER PROGRAM AWARDS* (*02AWDS*); $492

STUDIES OF EDUCATION AND RESEARCH INSTITUTIONS

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS* (*02AWDS*); $1,224

AMERICAN COUNCIL ON EDUCATION

BLANDFORD, BARBARA; *HIGHER EDUCATION PANEL* (*R000099 002*); 12 MONTHS $40,000

EXOTECH SYSTEMS INC

EHRMAN, LIBERT; *PREPARATION OF A SERIES OF TABLES SHOWING INFORMATION ON TRAINEESHIP DEPARTMENTAL DATA* (*C433017*); 8 MONTHS $9,688

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

CUNNINGHAM, CLAREBETH M; *DOCTORATE SURVEY* (*C310082 008*); 12 MONTHS $71,850

NEW JERSEY

EDUCATIONAL TESTING SERVICE

BOLDT, ROBERT F; *TRENDS IN APTITUDES OF GRADUATES IN SCIENCE* (*C740000*); 4 MONTHS $13,425

STUDIES OF PUBLIC AND PRIVATE FUNDING OF SCIENCE AND TECHNOLOGY

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS* (*08AWDS*); $28,307

NATIONAL PLANNING ASSOCIATION

TERLECKYJ, NESTOR E; *STUDY OF THE RELATIONSHIPS BETWEEN RESEARCH AND DEVELOPMENT AND PRODUCTIVITY GROWTH OF INDUSTRIES* (*R033241*); 12 MONTHS $55,300

MARYLAND

BUREAU OF THE CENSUS

GRETTON, OWEN; *ANNUAL SURVEY OF RESEARCH AND DEVELOPMENT IN AMERICAN INDUSTRY* (*CA04000 004*); 12 MONTHS $85,000

NEW YORK

WRIGHT, ROBERT R; *OTHER PROGRAM AWARDS* (*01AWDS*); 12 MONTHS $46,000

NATIONAL BUREAU OF ECONOMIC RESEARCH

GRABOWSKI, HENRY G; *THE RETURNS TO FIRM INVESTMENT OUTLAYS ON RESEARCH AND DEVELOPMENT, PLANT AND EQUIPMENT, AND ADVERTISING* (*R033240*); 18 MONTHS $47,900

NATIONAL INDUSTRIAL CONFERENCE BOARD INC

CREAMER, DANIEL; *MAGNITUDE AND CHARACTERISTICS OF INDUSTRIAL R&D SPENDING ABROAD BY U.S. FIRMS* (*R033426*); 9 MONTHS $57,000

VIRGINIA

NONE; *OTHER PROGRAM AWARDS* (*03AWDS*); $1,594

STUDIES OF INTERACTIONS OF SCIENCE AND TECHNOLOGY WITH SOCIETY

CONNECTICUT

THE FUTURES GROUP

GORDON, THEODORE J; *DESIGN, EXECUTION, AND ANALYSIS OF A DELPHI STUDY* (*C736000*); 4 MONTHS $14,719

INTERGOVERNMENTAL SCIENCE PROGRAMS

ALABAMA

AUBURN UNIVERSITY

RAINER, REX K JR, AND MOORE, RAYMOND K; *APPLICATION OF INTER-DISCIPLINARY UNIVERSITY RESOURCES TO LOCAL GOVERNMENT PROBLEMS* (*T034795*); 6 MONTHS $26,300

CALIFORNIA

COUNCIL ON INTERGOVERNMENTAL RELATIONS

FRANKUM, RONALD, LIPSON, ALBERT, AND LIPSON, ALBERT; *STATE OF CALIFORNIA - LAND SCIENCE AND TECHNOLOGY PROJECT* (*T032957*); 12 MONTHS $65,000

COLORADO

WESTERN INTERSTATE NUCLEAR BOARD

WHATLEY, ALFRED T; *TECHNOLOGY ASSESSMENT OF THE PLOWSHARE PROGRAM* (*T000021 001*); 12 MONTHS $25,000

CONNECTICUT

FAIRFIELD UNIVERSITY

GOLDMARK, PETER C; *INTERSTATE LIAISON WITH NEW RURAL SOCIETY PROJECT* (*T033507*); 12 MONTHS $16,000

DELAWARE

UNIVERSITY OF DELAWARE

GAITHER, WILLIAM S; *DELAWARE STUDY ON MARINE AND COASTAL AFFAIRS* (*T031387*); 3 MONTHS $7,500

DISTRICT OF COLUMBIA

NONE; *OTHER PROGRAM AWARDS* (*14AWDS*); $22,779

AMERICAN REVOLUTION BICENTENNIAL COMMISSION

HULCHER, WENDELL E; *KEY ASPECTS OF AMERICAN FEDERALISM* (*T000031**); 6 MONTHS $10,000

AMERICAN SOCIETY FOR PUBLIC ADMINISTRATION

HENRY, LAURIN L; *PUBLIC SCIENCE POLICY-ADMINISTRATION CONFERENCE* (*T031059*); 6 MONTHS $4,000

CORPORATION FOR PUBLIC BROADCASTING

RUBIN, PHILIP A; *FILM ON CABLE TELEVISION* (*I032184**); 6 MONTHS $40,000

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

BLOMEYER, LLOYD; *A PILOT DEMONSTRATION PROJECT OF TECHNOLOGY APPLICATION FROM AEROSPACE INDUSTRY TO CITY MANAGEMENT* (*CA58000 001*); $28,900

NEWLAN, IRL E; *RANN COMMUNICATIONS PROGRAM* (*CA85000*); 6 MONTHS $5,000

NATIONAL LEAGUE-CITIES/US CONFERENCE OF MAYORS

DAVIS, ROSS D; *MUNICIPAL INVOLVEMENT IN BROADBAND CABLE COMMUNICATIONS* (*T034904*); 12 MONTHS $25,000

PUBLIC TECHNOLOGY INC

HAVLICK, J ROBERT; *TO DESIGN A LOCAL GOVERNMENT SOFTWARE CLEARINGHOUSE* (*J033326**); 10 MONTHS $5,000

UNIVERSITY OF NEW HAMPSHIRE, DURHAM

FAIMAN, ROBERT N; *CONFERENCE ON THE UNIVERSITY AS A RESOURCE IN THE SOLUTION OF NATIONAL PROBLEMS* (*T031461*); 12 MONTHS $30,300

URBAN INSTITUTE

HATRY, HARRY P; *PUBLICATION OF THE PROCEEDINGS OF THE SEMINAR ON APPLICATION OF SCIENCE AND TECHNOLOGY TO LOCAL GOVERNMENTS* (*T000017 001*); 6 MONTHS $3,100

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

DAVID, HENRY; *STUDY CONFERENCE ON SOCIAL AND BEHAVIORAL SCIENCE (C310250)*; 12 MONTHS $41,300

GEORGIA

GEORGIA OFFICE OF THE GOVERNOR

MOCK, JOHN E; *GEORGIA RESEARCH PRIORITIES STUDY (T033307)*; 12 MONTHS $28,000

HAWAII

HAWAII DEPT OF PLANNING & ECONOMIC DEVELOPMENT

MARK, SHELLEY M; *STATE SCIENCE AND TECHNOLOGY FORECASTING PROGRAM (T000025 001)*; 12 MONTHS $21,300

KENTUCKY

COUNCIL OF STATE GOVERNMENTS

CRIHFIELD, BREVARD; *ROLE OF FEDERAL LABORATORIES IN STATE PUBLIC TECHNOLOGY (R000077 002)*; 6 MONTHS $30,750

NATL AREA DEV INST OF SPINDLETOP RESEARCH INC-NATIONAL AREA DEV INST OF SPINDLETOP RES INC

LESLIE, JOHN D; *CONFERENCE SERIES ON BALANCED GROWTH (T034511)*; 12 MONTHS $30,000

MARYLAND

NONE; *OTHER PROGRAM AWARDS (01AWDS)*; $1,067

MASSACHUSETTS

MASSACHUSETTS DEPARTMENT OF COMMUNITY AFFAIRS

UNGERER, RICHARD A; *INTERNSHIP IN PUBLIC POLICY (T000032)*; 14 MONTHS $26,900

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LITTLE, J D C, AND STEVENS, CHANDLER H; *CITIZEN FEEDBACK AND OPINION FORMULATION (T000016 001)*; 7 MONTHS $15,000

MASSACHUSETTS SCIENCE & TECHNOLOGY FOUNDATION

BARTON, ROBERT S; *TECHNOLOGY EXCHANGE (T000019 001*)*; 12 MONTHS $13,700

MINNESOTA

MINNESOTA STATE PLANNING AGENCY

BODDY, FRANK, AND HUNTER, A EDWARD; *A STATE COUNCIL OF ECONOMIC ADVISERS (T034935)*; 6 MONTHS $23,500

NEW YORK

AMERICAN INSTITUTE OF AERONAUTICS&ASTRONAUTICS

GREY, JERRY, AND FOX, HERBERT; *APPLICATIONS OF TECHNOLOGY IN URBAN SETTINGS (T033083)*; 12 MONTHS $22,700

NEW YORK STATE ASSEMBLY

DURYEA, PERRY B JR, AND CHAPMAN, SEVILLE; *NEW YORK ASSEMBLY SCIENTIFIC STAFF SUPPORT (T032162)*; 12 MONTHS $56,100

OHIO

OHIO DEPARTMENT OF DEVELOPMENT

GABER, NORMAN H, AND HIGGS, LOUIS; *SYMPOSIUM TO DEVELOP AN R&D AGENDA FOR OHIO (T031867)*; 6 MONTHS $6,100

SWEET, DAVID C; *RESEARCH AND DEVELOPMENT PLAN FOR THE STATE OF OHIO (T034578)*; 12 MONTHS $20,000

OHIO STATE UNIVERSITY

BURGESS, PHILIP M, AND HIGGS, LOUIS D; *DESIGN AND DEVELOPMENT OF A PLANNING AND DECISION INFORMATION SYSTEM (PDIS) IN PUERTO RICO (T000030)*; 6 MONTHS $24,900

OKLAHOMA

OKLAHOMA STATE UNIVERSITY

HANEMAN, V S JR; *APPLICATION OF INTERDISCIPLINARY UNIVERSITY RESOURCES TO LOCAL GOVERNMENT PROBLEMS (T034670)*; 5 MONTHS $33,300

UNIVERSITY OF OKLAHOMA

REID, GEORGE W; *GOVERNOR'S CONFERENCE ON R&D PRIORITIES FOR OKLAHOMA (T032804)*; 6 MONTHS $6,500

REID, GEORGE W; *STUDY OF R&D COMMUNICATION LINKAGE PROBLEMS IN OKLAHOMA (T032804 001)*; 3 MONTHS $9,000

OREGON

OREGON STATE UNIVERSITY

ALEXANDER, R M, AND CANNON, KESSLER R; *SCIENCE ADVICE TO OREGON STATE GOVERNMENT (T000014 001)*; 12 MONTHS $26,850

PENNSYLVANIA

PENNSYLVANIA SCIENCE AND ENGINEERING FDN

FOX, THOMAS G, AND LAUGHLIN, ROBERT D; *A NATIONAL ACTION CONFERENCE (T033328)*; 12 MONTHS $26,300

LAUGHLIN, ROBERT D; *AN EXPERIMENTAL EXPANSION OF THE PENNTAP TECHNICAL FIELD SERVICES TO SERVE LOCAL GOVERNMENT (T035010)*; 12 MONTHS $33,200

PENNSYLVANIA STATE UNIVERSITY

FELLER, IRWIN; *CENTER FOR THE STUDY OF SCIENCE POLICY (T034868)*; 12 MONTHS $63,500

PHILADELPHIA-OFFICE OF THE MAYOR

RIZZO, FRANK L; *SUPPORT FOR ESTABLISHMENT OF SCIENCE AND TECHNOLOGY ADVISORY COUNCIL FOR THE CITY OF PHILADELPHIA (T034579)*; 12 MONTHS $42,300

PUERTO RICO

PUERTO RICO INSTITUTE OF SOCIAL TECHNOLOGY

SLATER, LLOYD E; *GOVERNOR'S WORKSHOP ON R&D PRIORITIES FOR PUBLIC SERVICE IN PUERTO RICO (T034712)*; 12 MONTHS $14,200

SOUTH DAKOTA

SOUTH DAKOTA STATE PLANNING AGENCY

MUCHMORE, LYNN; *SOUTH DAKOTA ACADEMIC RESOURCES COUNCIL (T034580)*; 12 MONTHS $25,900

TEXAS

TEXAS MUNICIPAL LEAGUE

FLOYD, JACKSON B; *URBAN TECHNOLOGY SEMINAR (T033702)*; 6 MONTHS $4,000

UNIVERSITY OF HOUSTON

ERELI, ELIEZER; *ANALYZING COASTAL AND MARINE LAW TO DEVELOP AN AUTHORITY FOR COASTAL ZONE MANAGEMENT (T000026 001)*; 6 MONTHS $24,900

WASHINGTON

CITY OF TACOMA, WASHINGTON

DONALDSON, WILLIAM V; *TECHNICAL INTEGRATION INTO CITY OPERATIONS (T034903)*; 12 MONTHS $35,000

DONALDSON, WILLIAM V; *TECHNICAL INTEGRATION INTO CITY OPERATIONS (T034903 001)*; 12 MONTHS $33,000

BATTELLE MEMORIAL INSTITUTE-BATTELLE NORTHWEST

RASMUSSEN, JOHN E, AND HAYES, FRED O'R; *CONFERENCE ON RESEARCH CENTERS FOR STATE AND LOCAL GOVERNMENTS (T032805)*; 6 MONTHS $25,000

STUDIES OF SCIENCE POLICIES AND PROGRAMS

DISTRICT OF COLUMBIA

JOSEPH FROOMKIN INC

ENDRISS, JACK; *ADDITIONS AND IMPROVEMENTS TO THE NSF ALLOCATION AND IMPACT MODEL (C718000)*; 4 MONTHS $15,000

NATIONAL ACADEMY OF ENGINEERING

NAFTALIN, MICAH H; *A CONTINUING REVIEW BY THE COMMITTEE ON PUBLIC ENGINEERING POLICY OF THE ENGINEERING NEEDS OF THE U.S. AS WELL AS OF THE APPLICATION OF ENGINEERING TO CRITICAL PUBLIC PROBLEMS (C310134 005)*; 9 MONTHS $117,855

NATIONAL ACADEMY OF SCIENCES

GREEN, ROBERT E; *SUPPORT OF THE COMMITTEE ON SCIENCE AND PUBLIC POLICY (C310027 009)*; 12 MONTHS $78,000

OPINION RESEARCH CORPORATION

MASON, FRED M; *COLLECTION AND ANALYSIS OF DATA WITH RESPECT TO THE ATTITUDES OF THE GENERAL PUBLIC TOWARDS SCIENCE AND TECHNOLOGY (C744000)* 1 MONTHS $14,000

NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL

DOW, RICHARD Y; *SUPPORT OF COMMITTEE ON RADIO FREQUENCIES (C310023 013)*; 12 MONTHS $12,000

GREGORY, BRUCE N; *STUDY OF PRIORITIES IN ASTRONOMY (C310170 003)*; 12 MONTHS $16,000

WOOD, GEORGE W; *PARTIAL SUPPORT FOR A STUDY OF NUCLEAR PHYSICS AND THE PLANNING OF A PROSPECTIVE PHYSICS SURVEY (C310172 003)*; 6 MONTHS $25,000

ILLINOIS

COMPUTER HORIZONS INC

NARIN, FRANCIS; *EXPLORATION OF THE POSSIBILITY OF GENERATING IMPORTANCE AND UTILIZATION MEASURES BY CITATION INDEXING OF APPROXIMATELY 250 JOURNALS IN THE PHYSICAL SCIENCES (C627000 001)*; 12 MONTHS $60,145

NARIN, FRANCIS; *CONTRACT FOR EXPLORATION OF THE POSSIBILITY OF GENERATING IMPORTANCE AND UTILIZATION MEASURES BY CITATION INDEXING OF APPROXIMATELY 250 JOURNALS IN THE PHYSICAL SCIENCES* (*C627000 002*); 2 MONTHS $95,841

MASSACHUSETTS

NONE; *OTHER PROGRAM AWARDS* (*02AWDS*); $500

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

HOLLOMON, J HERBERT, AND FREEMAN, R. B.; *PRELIMINARY EXAMINATION OF PROFESSIONAL/MANAGERIAL LABOR MARKETS* (*Q035113*); 40 MONTHS $27,000

NEW YORK

STATE UNIVERSITY OF NEW YORK SYSTEM OFFICE

DILLON, JAMES D JR, AND BARRY, CRAIG L; *DEVELOPMENT OF A SPONSOR/GRANTEE DATA EXCHANGE SYSTEM* (*Q031614*); 12 MONTHS $10,000

PENNSYLVANIA

CARNEGIE-MELLON UNIVERSITY-CARNEGIE INSTITUTE OF TECHNOLOGY

; *SUPPORT OF THE AD HOC COMMITTEE FOR THE FOURTH NATIONAL SCIENCE BOARD REPORT ON THE ENGINEERING SCIENCES* (*C665000 001*); 2 MONTHS $11,000

TEXAS

RICE UNIVERSITY

PITMAN, RUSSELL H; *SUPPORT OF THE AD HOC COMMITTEE FOR THE FIFTH NATIONAL SCIENCE BOARD REPORT ON UNDERGRADUATE EDUCATION IN THE SCIENCES* (*C697000*); 17 MONTHS $20,000

VIRGINIA

NONE; *OTHER PROGRAM AWARDS* (*01AWDS*); $2,500

PRC COMPUTER CENTER INC

SULLIVAN, JOHNIE A; *DETAILED PROGRAM SPECIFICATIONS FOR THE NSF MANAGEMENT INFORMATION SYSTEM* (*C661000 003*); 6 MONTHS $219,205

PRC DATA SERVICE INC

SULLIVAN, JOHNIE A; *CONTRACT FOR MANAGEMENT INFORMATION SYSTEM REQUIREMENTS STUDY AND CONCEPTUAL DESIGN FOR THE NATIONAL SCIENCE FOUNDATION* (*C661000 002*); 4 MONTHS $85,117

SULLIVAN, JOHNIE A; *SYSTEM PROGRAMMING, TESTING, AND INTEGRATION FOR THE NSF MANAGEMENT INFORMATION SYSTEM* (*C661000 004**); 21 MONTHS $100,000

FELLOWSHIP AND TRAINEESHIP AWARDS

Name and Field of Study of Individuals Offered National Science Foundation Fellowships by State of Permanent Residence and Program, Fiscal Year 1972

ALABAMA

BRITT, JEANETTA M., Urban & Regional Planning
DOBBS, GARY H. III, Biology, General
DOUGLASS, CHARLES H. JR., Chemistry
HARDAGE, SYLVIA D., Anthropology & Archeology
KEISTER, BRADLEY D., Physics
STANLEY, HAROLD W., Political Science†
TORBERT, ROY B., Physics
WILLIAMS, EDWIN S., Linguistics

ALASKA

PAGE, DON N., Physics

ARIZONA

CALOS, MICHELE P., Zoology†
COOK, MICHAEL R., Biochemistry†
DAVITT, GREGORY A., Psychology†
DUNFORD, CHRISTOPHER J., Biology, General
FLOWER, WILLIAM L., Engineering
FOLGER, DAVID B., Engineering†
GADWA, PETER T., Mathematics†
GILLMORE, WILLIAM A., Sociology†
GRANT, BARBARA D., Chemistry
MACDONOUGH, LINDA A., Biology, General†
MARX, LAWRENCE J., Mathematics
MCMILLAN, WILLIAM P., Engineering
MILLER, HAROLD L., JR., Psychology
NELSON, ERIC V., Engineering†
NEWTON, JAMES W., Psychology†
RUBIN, ROBERT A., Biochemistry†
SCHWENT, VINCENT L., Physiology
WENTINK, LINDA M., Anthropology & Archeology

ARKANSAS

CHAMBERLIN, CHARLES E., Engineering
ENGLES, CHARLES R., Mathematics†
GANNAWAY, JOHN R., Mathematics
MAGERS, PAMELA C., Anthropology & Archaelogy
OWENS, JAMES W., Biology, General
ROSEBERRY, WILLIAM C., Anthropology & Archaeology†
THOMASSON, WILLIAM M., Engineering

CALIFORNIA

ABAD, VICTOR J., Mathematics
ADAMS, GEORGE G., Engineering
ADAMS, JOHN Q., Mathematics
ANTOGNINI, JAMES A., Psychology
ASH, AVNER D., Mathematics†
ASMUSSEN, MARJORIE A., Mathematics
AUDESIRK, GERALD J., Physiology
BAILEY, STEPHEN F., Zoology†
BENDOR JONATHAN B., Political Science†
BERSTEIN, WILLIAM J., Chemistry
BETHUNE, DONALD S., Physics
BLACKADAR, BRUCE E., Mathematics
BOYLE, EDWARD A., Earth Sciences
BRADFORD, JOHN A., Sociology
BREITER, DENNIS N., Physics
BROWN, MARIAN V., Economics
BROWN, PENELOPE, Anthropology & Archaeology
BURNS, ELIZABETH K., Geography
BUTLER, JAMES P., Biophysics
CAMERON, ROBERT A., Biology, General
CAMMACK, DAVID A., Engineering
CARLSON, CHARLES W., Chemistry
CHAMBERS, ANNE V., Anthropology & Archaeology†
CHAPLIN, STEPHEN J., Biology, General
CHAPMAN, RUSSELL L., Botany
CHU, STEVEN, Physics
CLARK, STEVEN C., Biochemistry†
CLARKE, STEVEN G., Biochemistry
COHEN, BRUCE I., Physics
CORDY, ROSS H., Anthropology & Archaeology†
DAMICO, WILLIAM A., Biochemistry†
DAY, LUCILLE L., Biology, General†
DAY, STEVEN M., Earth Sciences
DODSON, STEPHEN R., Linguistics†
DULLIEN, ROBERT, Engineering†
EARDLEY, DOUGLAS M., Physics
EDWARDS, THOMAS J., Engineering†
ENDLER, JOHN A., Genetics
ESTER, MICHAEL R., Anthropology & Archaeology
FARABAUGH, PHILIP J., Biochemistry†
FAUGHT, WILLIAM S. III, Mathematics
FIELD, ALEXANDER J., Economics
FISHER, DANIEL C., Earth Sciences
FLEISSNER, WILLIAM G., Mathematics
FLORA, LAURENCE P., Engineering†
FLYNN, MICHAEL A., Economics
FOLEY, TINA D., Anthropology & Archaeology†
FONTANA, ANDREA, Sociology†
FRANK, PAUL D., Mathematics
FUTIA, CARL A., Economics
GATES, NATHAN C., Engineering†
GAY, RICHARD L., Engineering†
GECKELER, WILLIAM R., Microbiology†
GEE, KATHLEEN T., Physics
GERSTEIN, DEAN R., Sociology
GREENBERG, SANFORD N., Political Science
GROSS, SHEILA J., Genetics†
HAAS, DAVID E., Sociology
HAGER, WILLIAM W., Mathematics
HAHN, PETER F., Mathematics
HAMILL, WILLIAM D., Jr., Chemistry
HANSEN, CHRISTOPHER B., Microbiology
HARMELL, CATHY A., Linguistics†
HARRIS, ANDREW L., Medical Sciences†
HARWOOD, DANE L., Psychology
HAWS, STEVEN W., Economics†
HAYCOCK, JOHN W., Medical Sciences†
HEDDERSON, JOHN J., Sociology
HENDRICKS, JOHN S., Engineering†
HILL, JESSE K., Astronomy
HINNEBUSCH, THOMAS J., Linguistics
HIRVELA, ELSA R., Anthropology & Archeology†
HOCHFELD, PAUL R., Engineering†
HOFFMAN, MEREDITH B., Linguistics†
HOLBROOK, SALLY J., Biology, General
HONG, BENJAMIN, Mathematics†
HOPKINS, MARK M., Economics
HYMOWECH, MARVIN, Mathematics
JACOB, JOHN P., Mathematics
JACOBS, RODNEY L., Economics
JARDIN, STEPHEN C., Engineering
JOHNSON, DOUGLAS K., Social Science, Other†
JOHNSON, LESLIE K., Biology, General
JONES, ROBERT E., Biology, General†
JOURIS, WILLIAM, Anthropology & Archaeology
KAWATE, KEITH W., Engineering†
KISKIS, RONALD C., Chemistry
KLAR, KATHRYN A., Linguistics
KLINGNER, RICHARD E., Engineering†
KNIGHT, DOYLE D., Engineering
KOSSLYN, STEPHEN M., Psychology
KRANTZ, STEVEN G., Mathematics
KREMER, MARY G., Psychology
KRONENFELD, Richard L., Physics
KUNG, LYDIA, Anthropology & Archaeology†
LAGARIAS, JEFFREY C., Mathematics
LAMBERT, STEVEN J., Earth Sciences
LANDIS, STORY C., Biology, General
LAPIDUS, DEBORAH R., Psychology†
LAUER, GAIL D., Genetics†
LAZEAR, EDWARD P., Economics
LERWICK, STUART N., Mathematics
LIEDER, CHARLES A., Chemistry
LINDER, JEAN C., Biology General†
LIST, STEPHEN E., Mathematics†
LORD, CATHERINE E., Psychology
MARLIAVE, JEFFREY B., Biology, General
MASOVER, GERALD K., Microbiology
MCBREARTY, JOHN B., Sociology
MCCREERY, RICHARD L., Chemistry
MCDERMOTT, CHRISTINE E., Biology, General†
MENDEL, META C., Political Science†
MENKIN, ELIZABETH S., Biology, General†
MENUZ, REX L., Anthropology & Archeology†
MEYERS, MARGARET B., Social Science, Other
MINTZ ROBERT E., Sociology
MORRIS, LYLE E., Engineering†
MRAW, STEPHEN C., Chemistry
NEELY, HELEN H., Psychology†
NOVOSELLER, DANIEL E., Physics
OBERLAENDER, JACQUELINE, Chemistry†
OKRAND, MARC, Linguistics
PALMER, STEPHEN E., Psychology
PARKS, RAYMOND G., Engineering†
PATTERSON, CHARLOTTE J., Psychology†
PEARSON, PETER K., Chemistry
PEARSON, ROBERT B., III, Physics
PERCIVAL, FRANK W., Botany
PETERSON, BRAIN L., Mathematics†
PETERSON, JAMES L., Mathematics

NOTE: All awards are tenable in 1972-1973. Three-year awards are indicated by "†"; the second and third years are tenable during any 2 of the following 4 years, subject to the students' satisfactory progress and the availability of funds. Two-year awards are indicated by "*". All others are 1-year awards.

PETTI, RICHARD J., Mathematics
PHILLIPS, DAVID W., Biology, General
POWERS, THOMAS W., Chemistry
PUTCHA, MOHAN S., Mathematics
RAFFERTY, JAMES M., Psychology
RANDLE, JO A., Agriculture†
REITMAN, LARRY N., Chemistry
RICHARDSON, JEFFREY H., Chemistry
RICHMAN, JAMES G., Earth Sciences
RICK, JOHN W., Anthropology & Archaeology†
ROBERTS, JOHN S., Zoology
ROGOFF, BARBARA L., Psychology†
ROSKO, LANA, History & Philosophy of Science†
ROYLANCE, LYNN M., Engineering†
RYAN, JOSEPH S., JR, Economics†
SCHEDVIN, JOHN C., Earth Sciences†
SCHLEHUBER, CAMERON J., Life Sciences, Other†
SCHMIDT, MARIETTE C., Microbiology†
SCHMITT, PEGGY H., Biology, General
SELGESTAD, JOHN G., Chemistry
SHELBY, ROBERT M., Chemistry†
SMOTKIN, DAVID, Biochemistry†
SPIEGEL, JOHN W., Economics
SPOEHR, KATHRYN T., Psychology
STEIGER, RICHARD J., Mathematics†
STEINBERG, ROBERT A., Biochemistry
STOCKING, JAMES H., Engineering
SUTER, GLENN W., II, Biology, General
SWANSON, RICHARD M., Engineering
SYMES, WILLIAM W., Mathematics
TARDIFF, TIMOTHY J., Urban & Regional Planning†
THROOP, ALAN L., Engineering
TIEMAN, SUZANNAH B., Psychology
TIMKOVICH, RUSSELL, Chemistry
TOPIC, JOHN R., Anthropology & Archaeology
TURNER, MICHAEL S., Physics
UNGERER, JUDY A., Psychology†
VILLEGAS, DANIEL J., Urban and Regional Planning†
VLECK, DAVID J., Biology, General†
WAGNER, JUDITH M., Biology, General†
WARD, MICHAEL P., Economics
WARD, THOMAS E., Biochemistry
WEINTRAUB, JEFF A., Sociology
WHITE, GREGORY L., Psychology†
WHITMORE, CHARLES S., Political Science
WILHELM, NEIL C., Engineering
WOLK, BRUCE A., Physics
YEAGER, DANNY L., Chemistry
YOSHIYAMA, RONALD M., Biology, General†
YOUNT, JAMES C., Earth Sciences
ZAITLIN, MARK P., Physics
ZUCKERMAN, GREGG J., Mathematics
ZVESPER, JOHN R., Political Science

COLORADO

ALLDREDGE, ALICE L., Biology, General
ALLRED, DAVID D., Chemistry
BAYNTON, CHARLES G., Mathematics†
BENDER, WELCOME W., Biology, General
CORRUCCINI, ROBERT S., Anthropology & Archeology
EASON, ERNEST D., Engineering
FERGUSON, JILL, Biology, General†
FOWLER, MARY J., Psychology
FOX, DAVID L., Physics†
HAGEDORN, ALFRED A. III, Chemistry
HELD, ROYER L., Urban & Regional Planning†
HULL, BARBARA E., Biology, General†
JOHNSON, RICHARD W., Chemistry†
MURCRAY, FRANK J., Physics†
POSNANSKY, CARLA J., Psychology
ROADS, JOHN O. Atmospheric Sciences†
ROCK, CHARLES O., Zoology
SHERIDAN, ROBERT E., Physiology†

CONNECTICUT

BONVILLIAN, JOHN D., Psychology
CARTER, JOSEPH G., Earth Sciences
CONVERSE, STEVEN L., Mathematics
DINELLO, ROBERT K., Biochemistry
EIFLER, DEBORAH J., Sociology
ENTMAN, ROBERT M., Political Science
FAIRBANKS, LYNN A., Psychology
FERREE, G. DONALD, JR, Political Science†
FERRERO, BRUCE E., Mathematics
GREIF, JEFFREY M., Physics
HARPER, JAMES M., Physics
HETH, CHESTER D., Psychology
HEUMANN, MILTON, Political Science
HOLBROOK, BRUCE E., Anthropology & Archeology
KATZ, RICHARD S., Political Science
LACY, JOHN H., Physics†
LAW, JAMES S., Engineering
LEVIN, RICHARD C., Economics
MILLER, ALAN K., Engineering†
MORTON, MARILYN J., Political Science
MOSTOW, MARK A., Mathematics
MULFLUR, JAMES H., Mathematics
NAGY, WILLIAM E., Linguistics
PROBER, DANIEL E., Physics
PUKKILA, PATRICIA J., Biology, General
RAFSKY, LAWRENCE C., Mathematics
RESCORLA, LESLIE A., Psychology
ROGERS, WILLIAM H., III, Mathematics†
ROSEN, KENNETH T., Economics
ROTHE, PAUL H., Engineering
SIBLEY, DAVID S., Economics
VENTURINI, EUGENE L., Engineering
VERDERY, KATHERINE M., Anthropology & Archaeology
WIESE, ROY F., Economics

DELAWARE

BECHER, DAVID Z., Chemistry†
DAVIS, MICHAEL W., Mathematics
DUVEKOT, CLAIRE E., Linguistics
MARTIN, RICHARD C., History & Philosophy of Science
SHIMSHICK, EDWARD J., Chemistry
WOODBURY, STEVEN R., Urban & Regional Plannin

DISTRICT OF COLUMBIA

CHAMBERS, FRANK W., Physics
CHAMBERS, WILLIAM W., Engineering
MARCUSS, ROSEMARY D., Economics
MCCLELLAND, JAMES L., Psychology
MEYER, STEPHEN A., Economics
PELCOVITS, MICHAEL D., Economics
RASTETTER, WILLIAM H., Chemistry†
ROGERS, SHELLEY H., Physics

FLORIDA

ADELMAN, LEONARD, Psychology
APRILETTI, JAMES W., Biochemistry
BITTNER, MICHAEL L., Genetics†
CHALKER, BRUCE E., Biology, General
COX, DAVID A., Mathematics
DAVIS, SHIRLEY D., Psychology
ELKIN, ROY S., History & Philosophy of Science
FISCHER, ROBERT A., Mathematics
FRIDOVICH, MARK A., Psychology
GANCARZ, ALEXANDER J., JR, Earth Sciences
GRAESSER, ARTHUR C., Psychology†
HANDEL, MICHAEL, Mathematics
HANNA, CHARLES C., Mathematics
HAWTHORNE, LARRY M., Engineering
HELFMAN, PATRICIA M., Anthropology & Archeology†

HILL, DENNY E., Sociology
JAMISON, ROBERT E., II, Mathematics
MASKIN, ERIC S., Economics†
MATTHEWS, DAVID E., Biochemistry†
MAY, MICHAEL L., Biology, General
MCCARTHY, MICHELINE B., Biochemistry†
MCDIARMID, MERCEDES F., Zoology
MOODY, WILLIAM J., JR, Physiology†
NASH, LORI B., Biology, General†
PLUMMER, ORLAY E., Anthropology & Archeology
RODRIGUEZ, JOSE M., Physics†
ROSE, BRUCE I., Mathematics†
SAUTHOFF, NED R., Physics
SCHRAMM, KATHERINE J., Economics
SCHUDY, CARY B., Atmospheric Sciences†
SHEFFIELD, JOHN S., Mathematics†
SOUTHWORTH, FINIS H., Engineering†
SPIEGEL, KATHLEEN W., Biology, General†
STUCKWISCH, DAVID C., Earth Sciences†
THRESHER, RONALD E., Zoology
WEISBARD, ALAN J., Economics†
WESCOURT, KEITH T., Psychology†
WESTON, ROBERT P., Engineering†
WHITE, SUSAN C., Zoology

GEORGIA

ACREE, ALLEN T., JR, Mathematics†
BAUGHCUM, STEVEN L., Chemistry†
Beckmann, WILLIAM H., Mathematics†
BELL, GEORGE R., Biochemistry
BERNER, NANCY H., Microbiology
COLLINS, ROBERT L., Psychology
DICKERSON, FRANK M., Economics
FLOYD, HOWARD C., Physics
GOLDSTEIN, SHELDON, Physics
HARDEGREE, GARY M., History & Philosophy of Science†
HARRELL, EVANS M.,II, Physics†
KING, ROLAND E., Linguistics
MAYS, PAMELA V., Psychology†
MCCLATCHEY, JAMES N., Engineering
PENROD, RUSSELL L., Psychology
PETRIDES, JULIA T., Mathematics
RITTER, LINDA B., Biochemistry
SIKES, ELLIS D.,JR, Mathematics†
STENGER, ALLEN L., Mathematics†
TUGGLE, ROY S.,III, Astronomy†
WAIDE, Jack B., Biology, General

HAWAII

BROWN, WILLIAM Y., Zoology
LEIS, JEFFREY M., Biology, General†
MINAMI, SHARON A., Biology, General
MOTT, ELWOOD K., JR, Linguistics
NISHIHARA, HERBERT K., Mathematics†
SWITZER, MARILYN F., Zoology
VITOUSEK, PETER M., Biology, General†

IDAHO

CRAPO, NORMAN L., Botany
DEMEYER, ARLEN A., Political Science
FORD, LAWRENCE H., Physics
LAMBERT, DONALD H., Anthropology & Archeology
MCMURRAY, MARTHA J., Sociology
SCHULTZ, EMILY A., Anthropology & Archeology
SMITH, CRAIG C., Engineering
THORNTON, ARLAND D., Sociology

ILLINOIS

ANDERSON, DANIEL D., Mathematics
ASHLEY, RICHARD A., Biochemistry
BECKER, PAUL K., Psychology

BENSON, HAROLD P., Mathematics
BLOOM, RUTH W., Genetics†
BONNEY, CHARLES A., Sociology
BROWN, JOANNA L., Anthropology & Archeology
BURSTEIN, PHILIP L., Economics
CACHEL, SUSAN M., Anthropology & Archaeology
CARHART, STEVEN C., Engineering
CHEVALIER, ROGER A., Astronomy
CHRISTIANSON, MICHAEL L., Genetics†
CLANCY, MICHAEL J., Mathematics
CRAIN, LAWRENCE A., Engineering†
CRAY, DAVID, Sociology†
DELLUTRI, DALE A., Mathematics
DIEHL, RANDY L., Psychology
DIETERICH, DAVID A., Chemistry
DOERING, JEFFREY L., Microbiology
DOLECKI, GREGORY J., Genetics†
DUNHAM, RANDALL B., Psychology†
ELBAUM, BERNARD L., Economics
EPSTEIN, SUZANNE L., Biochemistry†
FARKAS, DANIEL R., Mathematics
FARRAR, JAMES M., Chemistry
FAY, ROBERT E.,III, Mathematics
FELDMAN, RONALD E., Linguistics†
FIDDLER, MORRIS B., Genetics†
FIEDOROWICZ, ZBIGNIEW, Mathematics†
FINKEL, RAPHAEL A., Mathematics†
FRIED, DAVID S., Mathematics
GARDNER, ROY J. Economics†
GOLDMAN, BARBARA M., Biology, General
GOLDSTEIN, E. ALEXANDER, Economics†
GOODMAN, COREY S., Biology, General†
HEJHAL, DENNIS A., Mathematics
HENKIN, BRUCE M.; Chemistry
HERINK, CURTIS D., Mathematics†
HIGGINS, BRYON M., Economics
HINCKLEY, NANCY M., Biology, General
HORWITZ, RICHARD J., Biology, General
HOUART, GAIL L., Anthropology & Archeology†
JAFFE, DAVID M., Psychology†
JAMIESON, MICHAEL W., Engineering
JOHNSON, RICHARD H., Engineering
KAAR, DAVID R., Engineering†
KASTEN, RICHARD A., Economics
KEENAN, JANICE M., Psychology
KOENIG, WALTER D., Biology, General†
KOLB, JOHN R., Chemistry
KRAUS, RICHARD C., Political Science
KRONICK, MEL N., Physics
LANCASTER, DAVID R., Engineering
LARCOMBE, ELSA M., Biology, General†
LAVIN, MARK A., Mathematics
LENTZ, BERNARD F., Economics
LEONE, STEPHEN R., Chemistry
LOWRY, BURT L., Biophysics†
LUECKING, DANIEL H., Mathematics
MANELIS, LEON M., Psychology
MCKEE, MICHAEL J., Economics†
MERKEL, ROBERT R., Chemistry
MITCHELL, ERIK K., Botany†
MOCELLA, MICHAEL T., Chemistry
MOJE, STEVEN W., Chemistry
MOLNAR, DAVID A., Economics
NOSEK, RICHARD D., Mathematics
OBRYAN, NELSON B., JR, Chemistry
OHLENDORF, DOUGLAS H., Biochemistry†
OKEEFE, KELLY R., Chemistry
OSTLUND, SUZANNE E., Biology, General†
PARKER, NORMAN W., Physics†
PIGAGE, LEE C., Earth Sciences
RAWLINS, RICHARD G., Anthropology & Archeology†
REDDY, BERNARD J., Economics†
REINER, DAVID L., Mathematics
ROSEN, HARVEY S., Economics
SANDERSON, RICHARD B., Engineering
SCHAAR, RICHARD J., Mathematics
SCHENNUM, WAYNE E., Biology, General
SCHWAB, GARY M., Engineering†
SCRANTON, MARY I., Earth Sciences†
SHERMAN, PAUL W., Biology, General
SIVERTSEN, BARBARA J., Anthropology & Archeology
SMITH, JAMES L., Economics†
SPETH, DAVID R., Biochemistry†
SPINKA, NANCY J., Engineering†
SPONHOLTZ, DENNIS K., Biochemistry†
STELTE, DAVID JOHN, Engineering†
STEVENS, DUANE E., Physics†
STROMQUIST, WALTER R., Mathematics
TAYLOR, FREDERICK R., Biochemistry†
THISSEN, DAVID M., Social Science, Other†
TIEMSTRA, JOHN P., Economics
USAS, ALAN M., Engineering
WEBER, MARY C., Sociology
WILLIAMS, BRETT, Anthropology & Archeology†
ZAWADOWSKI, JOSEPH S., Anthropology & Archeology†

INDIANA

ALTON, THOMAS H., Biology, General†
BELDING, WILLIAM R., Mathematics
BERKHEISER, VAUGHN E., Agriculture
BERNDT, THOMAS J., Psychology
BUNES, Leonard A., Chemistry
BURCHFIELD, ROBERT W., Chemistry
BUSH, ROBERT L., Physics
COHEN, RICHARD S., Engineering
CONTI, RALPH S., Physics
DAVIDSON, VAUGHN O., Physics
FIELD, MICHAEL E., Engineering†
FLICK, PARKE K., Biochemistry
GRAHAM, STEPHAN A., Earth Sciences†
GRAY, JO A, Economics
HAWK, ELIZABETH J., Psychology†
HERD DARRELL G., Earth Sciences
JERISON, MICHAEL, Economics†
MAJDA, ANDREW J., Mathematics
NARDI, JAMES B., Biology, General
PALM, ANDREW C., Mathematics
PAYNE, PHILIP W., Chemistry†
PETERS, CYNTHIA A., Anthropology & Archeology†
PETRITES, VINCENT P., Urban & Regional Planning†
PILGRIM, PHILIP C., Mathematics
RADER, CAROLINE S., Linguistics
SIDEBOTTOM, PHILIP L., Engineering†
SPREEN, JAMES H., Engineering
STOCKMEYER, LARRY J., Mathematics
STUMPH, WILLIAM E., Biology, General†
TRANKLE, THOMAS L., Engineering
TRIEZENBERG, DAVID M., Engineering†
TRUE, MICHAEL A., Astronomy†
WELLNITZ, WILLIAM R., Genetics
WHITE, STEPHEN E., Mathematics†
WILLNER, STEVEN P., Astronomy
WILSON, PATRICIA A., Biology, General
WOLF, LESLIE R., Chemistry
WOLYNES, PETER G., Chemistry

IOWA

ANDERSON, DAVID F., Mathematics
BERBERICH, JOEL J., Physiology
COLLINS, DAVID W., Physics
FREY, TERYL K., Genetics†
GARRELS, JAMES I., Biology, General
HEYER, CAROLYN B., Zoology
HOOVER, KENNETH C., Engineering
KINNEY, ROBERT J., Chemistry
LAIRD, JO, Earth Sciences
LANDAU, CHARLES R., Mathematics
PIETSCH, STEPHEN J., Engineering†
SOGIN, SUZANNE S., Psychology
WORMHOUDT, JODA C., Chemistry†

KANSAS

ARCHER, RICHARD L., Psychology
BERNASEK, STEVEN L., Chemistry
BOCK, PAUL L., Chemistry
BOWMAN, MICHAEL K., Chemistry
CHELIKOWSKY, JAMES R., Physics
CURRIER, BARBARA S., Mathematics†
HIRLEMAN, EDWIN D.,JR, Engineering†
JAKOWATZ, CHARLES V., JR, Engineering†
LAMB, DONALD Q.,JR, Physics
LUSK, MARY D., Psychology
MEIER, CALVIN E., Agriculture
RINTOUL, DAVID A., Genetics†
SMITH, GARY L., Biology, General
STUMP, DANIEL R., Physics
THOMPSON, TYLER B., Chemistry†
TUNISON, MAFER E., Engineering†
WALL, LEONARD L., Anthropology & Archeology†
WELLS, MAX M., Mathematics
WRIGHT, ERIK OLIN, Sociology†

KENTUCKY

BAKER, NANCY L. Psychology
BLAKEMAN, CRAWFORD H.,JR, Anthropology & Archeology
CASNELLIE, JOHN E., Biochemistry†
COMPTON, JOHN C., Chemistry
CONNOR, DAN E., Chemistry
DINGLEDINE, RAYMOND J., Biochemistry
FINKE, LINDA R., Microbiology†
GOAD, LARRY E., Astronomy
HEUMANN, JOHN M., Biology, General
HINKEBEIN, THOMAS E., Engineering
HOREN, JEFFREY H., Mathematics
KUEBBING, DANIEL T., Biochemistry
NATION, JAMES B., Mathematics
ROSS, ALONZO H., Biochemistry†
SCOTT, SHERYL A., Psychology
SMITH, FRANCES H., Biochemistry†
STONE, JOHN B., Engineering†
TARVIN, JEFFREY A., Physics
TRENT, ROBERT D., Mathematics
UNGER, EARL M., Economics
VISCUSI, WILLIAM G., Social Science, Other†
WHEELER, STEPHEN F., Engineering†

LOUISIANA

ARMSTRONG, ROBERT C., Engineering
CAIRNS, STEPHEN D., Biology, General
CASADABAN, MALCOLM J., Microbiology
FLINT, ELIZABETH P., Botany†
HALPERIN, HENRY R., Physics
HASENKAMPF, HERMAN C., Chemistry
JOHN, MIRIAM E., Engineering
MARTIN, SUSAN E., Linguistics
ONEILL, DANIEL E., Economics
PRICE, JAMES P., Sociology
RAYMOND, MICHAEL J., Earth Sciences†
SEBASTIANE IRENE M., Psychology
SHEAFOR, STEPHEN J., Engineering†
SHUMAN, MALCOLM K., Anthropology & Archeology
SIEBERT, ARTHUR E., JR, Biology, General
TOLBERT, LAREN M., Chemistry

MAINE

BRIGGS, LUCY T., linguistics
MCEVOY, PETER B., Biology, General†
MOBERG, WILLIAM K., Chemistry
ROHRBAUGH, JOANNA B., Psychology

MARYLAND

ADERHOLD, JAMES L., JR, Engineering
AYDINIAN, GENE A., Earth Sciences†
BREEDON, JANICE E., Chemistry†
BRENNER, ALAN, Chemistry
CARTER, DAVID P., Micvobiology
CASWELL, WILLIAM E., Physics
COOLAHAN, JAMES E.,JR, Engineering
CRAWFORD, VINCENT P., Economics†
DAVIS, FRANCES M., Biology, General
EPPLEY, KENNETH R., Physics
FEFFERMAN, ROBERT A., Mathematics†
FEINSILVER, PHILIP J., Mathematics
GLASS, STEPHEN N., Mathematics
HANSON, MAUREEN R., Botany
HICKEY, JOHN W., Life Sciences, Other†
KAHLER, MILES E., International Relations†
KLEIMAN, MARK A., Social Science, Other†
KORNHAUSER, ALAN A., Engineering†
LIPSETT, ROGER, Mathematics
MAIORANA, JAMES A., Mathematics
MEAD, BARBARA E., Anthropology & Archeology
MEYERSON, MARK D., Mathematics
MYERS, CARL F.,JR, Engineering†
OLIVER, ROBERT A., Mathematics
PAULSON, JAMES R., Biochemistry†
PURKS, STEPHEN R., Engineering†
ROIG, RANDY A., Physics
SALWIN, ARTHUR E., Chemistry
SHAPIRO, HENRY D., Mathematics†
SHAVELL, STEVEN M., Economics
SOLLNER, BARBARA D., Biology, General
TAYLOR, RUSSELL H., Mathematics
VANHOUTEN, ROBERT J., Engineering
WAITE, EMILY M., Sociology
WEISMAN, ROBERT B., Chemistry
WILLIAMS, LOUISE A., Anthropology & Archeology

MASSACHUSETTS

ANGELO, RAYMOND L., Physics
BERKOWITZ, HARRIET F., Sociology
BERMAN, JEFFREY S., Psychology†
BIENIEK, RONALD J., Physics
BLUMBERG, PETER M., Biochemistry
BOYLE, BRIAN E., Engineering
BRUINS, DOUGLAS E., Chemistry
CARLTON, DENNIS W., Economics
CHAMBERLAIN, GARY E., Economics
CLAPP, CHARLES H., Chemistry
COHEN, RICHARD J., Physioloby
DOHERTY, JAMES B., Chemistry†
DOMNITZ, ROBERT H., Engineering
DUNN, ERICA H., Zoology
EARNSHAW, WILLIAM C., Microbiology†
EKMAN, KENNETH E., Mathematics
FELDMAN, ROBERT A., Anthropology & Archeology†
FELDMAN, THEODORE S., Mathematics
FOOR, FORREST,JR, Biochemistry
FRANK, ROBERT E., Chemistry
FRIEDMAN, SHELDON I., Economics
GORDON, ROGER H., Economics†
GORIN, RALPH E., Mathematics
GRABOWSKI, GWEN J., Biology, General†
GREESPAN, MICHAEL A., Engineering†
GROSSMAN, JERROLD W., Mathematics
HADLEY, KATE H., Earth Sciences†
HAGEN, DAVID C., Biochemistry
HEALY, PAUL F., Anthropology & Archeology
HENDRICKS, THOMAS M.,JR, Engineering
HOLMES, DEBORAH L., Psychology
HOROWITZ, LARRY L., Engineering†
JENSEN, HARBO P., Chemistry
JORDAN, KENNETH D., Chemistry
KATES, JAMES M., Engineering
KEETON, WILLIAM R., Economics†
KENNEDY, MICHAEL P., Economics
KIRSHNER, ROBERT P., Astronomy
KOIVUMAKI, JUDITH H., Psychology†
LEAMAN, KEVIN D., Earth Sciences
LUMBERT, ROBERT B., Mathematics
MANSKI, CHARLES F., Economics
MATTEO, CHALRES C., Microbiology
MCCLELLAND, KENT A., Sociology
MCGAFFIGAN, EDWARD,JR, Physics
MEGILL, NORMAN D., Engineering†
MENAGHAN, ELIZABETH G., Social Science, Other†
MERVIS, CAROLYN B., Psychology
MITTERMEIER, RUSSELL A., Anthropology & Archeology†
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OSPOVAT, DOV History & Philosophy of Science
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LEVINE, PAUL J., Engineering†
LI, JADE, Biophysics
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MOKRZYCKI, KENNETH L., Political Science
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NEWMAN, LEON S.,JR, Mathematics
NICHOLS, ALAN R., Engineering
NOVAK, MICHAEL, Biochemistry†
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OSHAUGHNESSY, DOUGLAS D., Engineering
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PARDON, WILLIAM L., Mathematics
PLAISTED, DAVID A., Mathematics
PLOSS, HARRY, Physics
PODGORSKI, WILLIAM A., Engineering
QUEEN, CARY L., Mathematics
RAGONETTI, THOMAS J., Urban & Regional Planning†
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RAPOPORT, PHILIP A., Earth Sciences†
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REED, ADAM V., Psychology
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SNELL, WILLIAM J., Biology, General
SONTZ, ANN L., Anthropology & Archeology
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TSANG, JAMES C., Engineering
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LILIENFELD, ALBERT, Political Science
LIPPA, RICHARD A., Psychology†
LIVEZEY, ROBERT E., Atmospheric Sciences
LO, CLARENCE Y., Sociology
MASTERSON, ROBERT E., Engineering†
MCCURDY, YOLANDE D., Biology, General†
MCDONOUGH, RICHARD M., History & Philosophy of Science
MELE, EUGENE J., Physics†
MELVIN, PAUL M., Mathematics
MINARIK, JOSEPH J., Economics
NEELY, ALICE M., Physiology
NEKUT, ANTHONY G., Earth Sciences†
NEWBOLD, J, DENIS, Earth Sciences†
NUNEMACHER, JEFFREY L., Mathematics
OXTOBY, DAVID W., Chemistry†
OYE, KENNETH A., Political Science
PARKS, HAROLD R., Mathematics
PASTIN, MARK J., History & Philosophy of Science
PEITZ, ELIZABETH, Physiology
PHILLIPS, WILLIAM D., Physics
PRICE, JONATHAN G., Earth Sciences†
PUIG, CARLOS M., Mathematics†
REISS, STEVEN P., Mathematics†
ROHRLICH, SUSANNAH T., Biology, General
ROSENBERG, JONATHAN M., Mathematics†
RUBIN, ANN D., Mathematics
SALZMANN, GEORGE S., Biophysics
SCHAUFFLER, WILLIAM M., Anthropology & Archeology
SEYBERT, DAVID W., Biochemistry†
SHOGAN, ANDREW W., Mathematics
SICILIANO, THOMAS V., History & Philosphy of Science
STONESTROM, J. PETER, Engineering†
SZATROWSKI, TED H., Mathematics
TURNBAUGH, WILLIAM A., Anthropology & Archaeology
WACHTER, WILLIAM A., Chemistry
WALTON, ROBERT L., Engineering†
WEBER, ANITA L., Psychology
WEINSTEIN, MICHAEL M., Economics
WESSNER, RUSSELL L., Engineering†
WHALEN, ROBERT G., Biochemistry
WILSON, PAUL A., Economics
WILSON, STEVEN P., Biochemistry†
WISHNER, KAREN F., Biology, General†
ZAKIAN, VIRGINIA A., Biology, General
ZANG, THOMAS A.,JR, Mathematics

RHODE ISLAND

BOCKSTAEL, NANCY P., Economics
DOYLE, MARJORIE E., Zoology
ROBERTSHAW, GREGORY A., Physics†
SMITH, CAROL L., Psychology

SOUTH CAROLINA

BEIER, BARBARA F., Physics
CHILDRESS, RONALD M., Political Science
DRUCKER, LESLEY M., Anthropology & Archeology†
JEFFCOAT, ROBERT L., Engineering
MAY, MICHAEL E., Biochemistry†
MONTGOMERY, HENRY D.,JR, Engineering
SHERWOOD, GEORGE B., Physics†
WALKER, DOUGLAS W., Mathematics†

SOUTH DAKOTA

BROCK, DAVID A., Biology, General†
DIXON, NED S., Physics
HERREN, ROBERT S., Economics
LARRINGTON, STEPHEN L., Political Science
MEIER, KENNETH J., Political Science†
MYERS, JOHN K., Economics
POWERS, DALE R., Chemistry
SCHRADER, GLENN L.,JR, Engineering†
SNYDER, LEE R., Biology, General
ZOLNOWSKY, JOHN E., Mathematics

TENNESSEE

ANDERSON, NORMAN L., Biology, General†
ARABIE, CLAY P., Psychology
BAILEY, ROBERT B., Physics†
BARTON, WILLIAM J., Engineering†
DEGRAND, THOMAS A., Physics†
ELDRIDGE, CHARLES A., Biochemistry
FOWLER, JAMES R., Political Science
GLOVER, JOHN R.,JR, Engineering
MYERS, DANIEL A., Mathematics
TARBELL, THEODORE D., Physics

TEXAS

AKRE, BARBARA G., Biology, General†
ANDERSON, JUDITH L., Biology, General†
BAKER, MICHAEL W., Urban & Regional Planning†
BARTLETT, BRYAN L., Chemistry†
BARTLETT, JAMES C., Psychology
BELL, DAVID C., Sociology†
BROCK, BILLY C., Engineering†
BROWN, KENNETH M., Anthropology & Archeology†
CASTLEBERRY, DONALD E., Engineering
CAVENDER, CAROL J., Chemistry
CLARK, VIRGINIA A., Earth Sciences†
CUMMINGS, WILLIAM H.,III, Psychology†
DREISS, SHIRLEY J., Earth Sciences†
DUNLAP, THERESA P., Earth Sciences†
EISNER, JULIAN R., Mathematics
EWING, RODNEY C., Earth Sciences
FLATH, DANIEL E., Mathematics†
GLASGOW, DAVID A., Engineering
GREEN, KATHERINE A., Biology, General
HAMPTON, CHARLES E., Mathematics
HARDIN, DAVID D., Engineering†
HAWKINS, ERIN R., Biochemistry
HOCH, CHARLES G., Chemistry†
HOLEYWELL, ROGER C., Earth Sciences
HUFF, JOEL R., Chemistry
IRBY, LYNN R., Biology, General
JOHNSTON, WILLIAM M., Political Science†
JONES, STEPHEN K., Engineering
KELLEY, CLYDE E., Engineering†
KLAGER, KIM, Earth Sciences
KOMKOV, STEPHANIE F., Social Sciences, Other†
LAIRD, BONNIE E., Mathematics
LEBOWITZ, BRIAN E., Economics†
LEVY, DAVID L., Engineering†
LEWIS, ALBERT C., History &Philosophy of Science
LYNCH, PAUL M., Engineering
MABE, ROBERT D., Anthropology & Archeology
MALEY, COLLEEN P., Anthropology & Archeology
MARCUS, STEVEN I., Engineering
MASTENBROOK, JOHN L., Psychology†
MCCLELLAN, JAMES H., Engineering
MCGARITY, CATHLEEN O., Biochemistry†
MCKEY, DOYLE B., Biology, General
MCWHIRTER, DARIEN A., Political Science

MILLER, CONNIE H., Genetics†
MOORE, LINDA R., Biology, General
OIESEN, JAMES F., Economics
PAUKERT, JAMES L., Biochemistry
PITTS, JON T., Mathematics
PLOG, STEPHEN E., Anthropology & Archaeology
PUSTEJOVSKY, MICHAEL A., Engineering
RISKIND, JOHN H., Psychology
SCHIEBOUT, JUDITH A., Earth Sciences
SMITH, CHARLES A., Chemistry†
STREIT, GERALD E., Chemistry
USSERY, CHRISTINE T., Microbiolgoy†
VANDELL, KERRY D., Urban & Regional Planning
WALDROP, AL M., Economics†
WALKER, ROBERT B., Chemistry
WELSH, MICHAEL J., Zoology
WILLIAMS, LAWRENCE R., Mathematics
WISE, JAMES D.,JR, Engineering
WOMACK, ROBERT L., Political Science
YINGLING, CHARLES D., Physiology
YOUNG, RYLAND F., Biochemistry

UTAH

AMES, WALTER L., Anthropology & Archeology
BARRETT, WAYNE W., Mathematics
DESPAIN, KEITH H., Physics
GALLOWAY, RODNEY G., Engineering
GOODFELLOW, ROBYN J., Chemistry†
GREENE, MARJORIE, Mathematics
JONES, ROGER J., Biology, General
LAMB, ANNE M., Psychology†
MORRISON, KENT E., Mathematics
RUSHFORTH, EVERETT S., Anthropology & Archaeology†
RUSSELL, CHRISTOPHER P., Engineering
SMITH, KATHLEEN T., Anthropology & Archaeology
STACEY, DENNIS W., Biochemistry
SUNDSTROM, ERIC D., Psychology

VERMONT

DOUGLAS, DOROTHY A., Botany†
LUBIN, ADAM, Mathematics*
STOWE, LAWRENCE G., Biology, General†
TYLER, ROBERT G., Engineering

VIRGINIA

BAUSUM, DAVID R., Mathematics
BRENNER, DOUGLAS M., Chemistry
BROWN, TERRENCE L., Physics
BUTLER, EDMUND J., Mathematics
CARROLL, WALTER F., Sociology†
COFFMAN, NANCY R., Chemistry†
COLLINS, FRANCIS S., Chemistry
COX, JANIE S., Anthropology & Archeology
CROMARTIE, THOMAS H., Chemistry
DANIEL, SHERYL B., Anthropology & Archeology†
EAGAR, THOMAS W., Metallurgy†
JOHNSTON, JAMES C.,III, Psychology
KINGSTON, GEORGE C., Engineering
KOBURGER, CHARLES W.,III, Engineering†
LARSEN, RICHARD A., Chemistry
LINDSEY, ANNE H., Anthropology & Archeology†
LYSY, DUSÁN G., Physics
MCDERMOTT, DREW V., Mathematics†
MONK, LEONARD G., Mathematics
OPIE, THOMAS R., Chemistry
SASSAMAN, CLAY A., Zoology
SHOSTAK, ROBERT E., Mathematics
SINGER, NICHOLAS C., Mathematics
UHLANER, CAROLE J., Mathematics
WANTZELIUS, PAUL O., Engineering
WARREN, ROBERT B., Mathematics†
WEBB, STEPHEN C., Engineering
WIKSWO, JOHN P.,JR, Physics
WILKINSON, WILLIAM C., Psychology
WILLETT, JOHN C., Atmospheric Sciences
WRIGHT, EDWARD L., Astronomy

WASHINGTON

ACHEN, CHRISTOPHER H., Political Science
ADAMS, RUSSEL M., Psychology
ADOLPHSON, ALAN C., Mathematics
BAHLER, LAWRENCE G., Engineering†
BORROZ, WILLIAM T., Engineering
BURKE, WYLIE G., Genetics
COKELET, EDWARD D., Earth Sciences
CUNNINGHAM, CHRISTOPHER, Astronomy
DEMARTINI, EDWARD E., Zoology
FENNER, DOUGLAS H., Psychology
GANDERS, FRED R., Botany
GREENING, TIMOTHY S., Economics†
HECHT, JULIA A., Anthropology & Archeology
HEGGEN, PAMELA J., Anthroplogy & Archeology
KAMMEYER, PETER C., Mathematics
KAUTZ, RICHARD L., Engineering
KEARL, MICHAEL C., Sociology
KIMBALL-MARCH, KATHRYN, Anthropology & Archeology†
KIMERLING, ARTHUR J., Geography†
KOTTWITZ, ROBERT E., Mathematics†
LONG, PHILIP E., Earth Sciences
MAJORS, JOHN E., Biophysics
MARSTON, PHILIP L., Physics
MARTINIS, JOANNE, Genetics
MESSER, ROBERT A., Mathematics
PETERSON, BRUCE E., Geography†
REITER, CAROL R., Anthropology & Archeology
SENEAR, ALLEN W., Biochemistry
THOMPSON, NORMAN L., Urban & Regional Planning
VENTUR, PIERRE E., Anthropology & Archeology†
WATSON, BRUCE A., Biochemistry
WIERMAN, JOHN C., Mathematics

WEST VIRGINIA

BACHMANN, EDWARD B., Socialogy
BELLOTT, EMILE M., JR, Chemistry†
CANTLEY, LEWIS C., Chemistry
CEPERLEY, DAVID M., Physics
CHINAULT, ALAN C., Chemistry
HANSEN, ROBERT T., Chemistry
JUSTICE, PENNIFORD L., Genetics
MCROBERTS, RICHARD D., Engineering†
RISSLER, JANE F., Botany

WISCONSIN

BACLAWSKI, KENNETH P., Mathematics
BORCHERT, STEVEN J., Chemistry†
BROWN, REBECCA H., Mathematics
BRUCE, KIM B., Mathematics
DANNER, FREDERICK W., Psychology
DORNFELD, WILLIAM H., Engineering†
DUMESIC, JAMES A., Engineering
DZIADOSZ, GREGORY M., Psychology†
ELMERGREEN, BRUCE G., Astronomy
EVERS, MARK, Sociology
FINCH, DAVID V., Mathematics†
HAGER, DOUGLAS F., Chemistry
HAHN, BRIAN K., Chemistry
HANSEN, EVERETT M., Botany
JONES, GILBERT G., Chemistry
KEPPEL, ROBERT A., Chemistry
KRACHT, WILLIAM R., Chemistry
LANDGREN, DALE A., Economics
LANGSTEN, RAYMOND L., Sociology†
MAYER, JEROME F., Engineering
MEISSNER, JEFFREY R., Anthropology & Archeology
MILLER, JOANNE, Sociology
NILSON, LINDA B., Sociology
NIMMER, RONALD P., Engineering
NOWACK, JUDITH A., Anthropology & Archeology
PALMER, DAVID W., Physics
PEET, ROBERT K., Biology, General
PILARSKI, LINDA M., Biochemistry
RADLOFF, DAVID L., Agriculture
SARAZIN, CRAIG L., Physics†
SCHLIPF, JOHN S., Mathematics
SCOTT, BRIAN M., Mathematics
SETTLE, RUSSELL F., Economics
SEYMOUR, ROBERT W., Engineering
SHAPIRO, DANIEL B., Mathematics
SLATER, JOHN, Engineering†
STARK, WILLIAM S., Psychology
STILLER, ROBERT L., Engineering
TAX, ROBERT E., Mathematics†
WEGNER, WARREN W., Earth Sciences

WYOMING

CARPENTER, CHADWICK H., Engineering
CARPENTER, GAIL A., Mathematics
DONE, WILLIAM J., Engineering†
WILLARD, ALVIN K., Chemistry†

Institutions Granted Traineeships and Chosen by Graduate Fellowship Awardees—Fiscal Year 1972

U.S. Institutions	*Totals*	*Trainee-Ships*	*Fellow-Ships*
ALABAMA			
Auburn University	7	6	1
University of Alabama	3	3	0
ALASKA			
University of Alaska	1	1	0
ARIZONA			
Arizona State University	10	10	0
University of Arizona	24	17	7
ARKANSAS			
University of Arkansas	3	3	0
CALIFORNIA			
California Institute of Tech	64	24	40
Claremont Graudate School	2	2	0
Loma Linda University	1	1	0
Stanford University	182	44	138
University of California/Berkeley	186	48	138
University of California/Davis	20	13	7
University of California/Irvine	8	5	3
University of California/Los Angeles	39	27	12
University of California/Riverside	12	9	3
University of California/San Diego	33	10	23
University of California/San Francisco	3	1	2
University of California/Santa Barbara	9	8	1
University of California/Santa Cruz	3	1	2
University of the Pacific	1	1	0
University of Santa Clara	2	1	1
University of Southern California	15	14	1
U.S. International University	1	1	0
COLORADO			
Colorado School of Mines	2	2	0
Colorado State University	11	10	1
University of Colorado	31	18	13
University of Denver	2	2	0
CONNECTICUT			
University of Connecticut	12	10	2
Wesleyan University	3	3	0
Yale University	117	21	96
DELAWARE			
University of Delaware	12	10	2
DISTRICT OF COLUMBIA			
American University	2	2	0
Catholic University	10	8	2
George Washington University	6	6	0
Georgetown University	7	6	1
Howard University	2	2	0
FLORIDA			
Florida State University	15	13	2
Nova University	1	1	0
University of Florida	21	15	6
University of Miami	12	6	6
University of South Florida	2	1	1
GEORGIA			
Atlanta University	1	1	0
Emory University	6	5	1
Georgia Institute of Technology	16	16	0
Georgia State University	2	1	1
Medical College of Georgia	1	1	0
University of Georgia	17	9	8
HAWAII			
University of Hawaii	13	8	5
IDAHO			
Idaho State University	1	0	1
University of Idaho	3	3	0
ILLINOIS			
DePaul University	1	1	0
Illinois Institue of Technology	12	12	0
Illinois State University	2	2	0
Loyola University	2	2	0
Northern Illinois University	2	2	0
Northwestern University	38	26	12
Southern Illinois University	7	6	1
University of Chicago	71	20	51
University of Illinois/Urbana	67	44	23
University of Illinois/Chicago Circle	4	1	3
University of Illinois/Medical Cntr	1	1	0
INDIANA			
Indiana University	26	18	8
Purdue University	51	39	12
University of Notre Dame	13	12	1
IOWA			
Iowa State University	19	17	2
University of Iowa	18	13	5
KANSAS			
Kansas State University	11	10	1
University of Kansas	12	11	1
KENTUCKY			
University of Kentucky	8	8	0
University of Louisville	5	3	2
LOUISIANA			
Louisiana Polytechnic Institute	1	1	0
Louisiana State University	12	10	2
Louisiana State Univ/Med Center	1	1	0
Louisiana State Univ/New Orleans	1	1	0
Loyola University	1	1	0
Tulane University	13	8	5
MAINE			
University of Maine	2	2	0
MARYLAND			
Johns Hopkins University	25	15	10
University of Maryland	15	12	3
MASSACHUSETTS			
Boston College	3	3	0
Boston University	6	5	1
Brandeis University	10	7	3
Clark University	3	3	0
Harvard University	196	18	178
Lowell Tech. Institute	1	1	0
Massachusetts Inst. of Technology	247	49	198
Northeastern University	8	8	0
Tufts University	5	5	0
University of Massachusetts	11	10	1
Woods Hole Oceanographic Inst.	1	0	1
Worcester Polytechnic Inst.	1	1	0
MICHIGAN			
Michigan State University	40	24	16
Michigan Technological University	3	3	0
University of Detroit	3	2	1
University of Michigan	100	46	54
Wayne State University	12	10	2
Western Michigan University	1	1	0
MINNESOTA			
University of Minnesota	44	28	16
MISSISSIPPI			
Mississippi State University	3	3	0
University of Mississippi	3	3	0
University of Southern Mississippi	1	1	0
MISSOURI			
St. Louis University	4	3	1
University of Missouri/Columbia	18	15	3
University of Missouri/Kansas City	2	1	1
University of Missouri/Rolla	7	7	0
Washington University	20	15	5
MONTANA			
Montana State University	7	6	1
University of Montana	3	1	2

Institutions Granted Traineeships and Chosen by Graduate Fellowship Awardees—Fiscal Year 1972—Continued

U.S. Institutions	*Totals*	*Trainee-Ships*	*Fellow-Ships*
NEBRASKA			
University of Nebraska	9	7	2
NEVADA			
University of Nevada	2	2	0
NEW HAMPSHIRE			
Dartmouth College	6	3	3
University of New Hampshire	7	6	1
NEW JERSEY			
Newark C of Engineering	1	1	0
Princeton University	88	20	68
Rutgers, The State University	13	13	0
Seton Hall University	1	1	0
Stevens Institute of Technology	8	7	1
NEW MEXICO			
New Mexico Inst. of M&T	1	1	0
New Mexico State University	7	6	1
University of New Mexico	10	8	2
NEW YORK			
Adelphi University	1	1	0
Alfred University	1	1	0
City University of New York	12	11	1
Clarkson C of Technology	6	5	1
Columbia University	48	28	20
Cooper Union	1	1	0
Cornell University	96	31	65
Fordham University	3	3	0
Mt. Sinai School Medicine	1	0	1
New School for Soc. Research	2	2	0
New York Medical College	1	1	0
New York University	27	21	6
Polytechnic Inst. of Brooklyn	14	14	0
Rensselaer Poly Inst	20	13	7
Rockefeller University	7	1	6
St. Bonaventure University	1	1	0
St. Johns University	2	2	0
State University of New York:			
C of Forestry at Syracuse Univ	3	3	0
Downstate Medical Center	1	1	0
SUNY at Albany	1	1	0
SUNY at Binghamton	1	1	0
SUNY at Buffalo	12	12	0
SUNY at Stony Brook	7	6	1
Upstate Medical Center	1	1	0
Syracuse University	17	15	2
Union College and University	1	1	0
University of Rochester	19	15	4
Yeshiva University	5	3	2
NORTH CAROLINA			
Duke University	21	10	11
North Carolina State Univ. at Raleigh	17	17	0
University of North Carolina	19	13	6
Wake Forest University	3	3	0
NORTH DAKOTA			
North Dakota State University	2	2	0
University of North Dakota	3	3	0
OHIO			
Bowling Green State University	2	2	0
Case Western Reserve University	23	20	3
Kent State University	3	3	0
Miami University	1	1	0
Ohio State University	29	26	3
Ohio University	3	3	0
University of Akron	1	1	0
University of Cincinnati	8	8	0
University of Dayton	1	1	0
University of Toledo	1	1	0
OKLAHOMA			
Oklahoma State University	14	11	3
University of Oklahoma	11	10	1
OREGON			
Oregon Graduate Center	1	1	0
Oregon State University	11	10	1
Portland State University	1	1	0
University of Oregon	13	9	4
University of Portland	1	1	0
PENNSYLVANIA			
Bryn Mawr College	1	1	0
Carnegie-Mellon University	21	17	4
Drexel Institute of Technology	3	3	0
Duquesne University	1	1	0
Hahnemann Medical College	1	1	0
Lehigh University	11	9	2
Pennsylvania State University	33	27	6
Phila. C of Pharmacy & Sci.	1	1	0
Temple University	6	6	0
Thomas Jefferson University	1	1	0
University of Pennsylvania	47	23	24
University of Pittsburgh	18	13	5
Villanova University	1	1	0
Medical College of Pa.	1	1	0
RHODE ISLAND			
Brown University	16	13	3
Providence College	1	1	0
University of Rhode Island	3	3	0
SOUTH CAROLINA			
Clemson University	8	8	0
Medical U of South Carolina	2	1	1
University of South Carolina	3	3	0
SOUTH DAKOTA			
South Dakota S of Mines	1	1	0
South Dakota State University	3	3	0
University of South Dakota	2	2	0
TENNESSEE			
George Peabody College	1	1	0
Memphis State University	1	1	0
Univ of Tennessee/Knoxville	16	13	3
Univ of Tennessee/Memphis	2	1	1
Vanderbilt University	11	10	1
TEXAS			
Baylor University	1	1	0
Baylor Univ/Med C	1	1	0
North Texas State Univ	2	2	0
Rice University	19	11	8
Southern Medthodist Univ	9	6	3
Texas A & M University	13	10	3
Texas Christian University	1	1	0
Texas Tech University	4	3	1
Texas Woman's University	1	1	0
University of Houston	6	6	0
University of Texas/Arlington	1	1	0
University of Texas/Austin	36	26	10
University of Texas/Dallas	1	0	1
UTAH			
Brigham Young University	3	3	0
University of Utah	16	12	4
Utah State University	7	6	1
VERMONT			
University of Vermont	3	3	0
VIRGINIA			
College of William and Mary	3	3	0
University of Virginia	10	10	0
Virginia Commonwealth University	1	1	0
Virginia Polytechnic Institute	10	10	0

Institutions Granted Traineeships and Chosen by Graduate Fellowship Awardees—Fiscal Year 1972—Continued

U.S. Institutions	Totals	Trainee Ships	Fellow Ships
WASHINGTON			
University of Washington	43	28	15
Washington State University	9	8	1
WEST VIRGINIA			
West Virginia University	7	6	1
WISCONSIN			
Institute of Paper Chemistry	1	1	0
Marquette University	3	3	0
University of Wisconsin/Madison	85	36	49
University of Wisconsin/Milwaukee	6	5	1
WYOMING			
University of Wyoming	4	3	1
TOTAL AT U.S. INSTITUTIONS	3,336	1,808	1,528
TOTAL CHOOSING FOREIGN INST.	22	——	22
See Following Page			
GRAND TOTALS	3,358	1,808	1,550

Foreign Institutions Chosen by Graduate Fellowship Awardees, Fiscal Year 1972

	NUMBER
AUSTRALIA	
University of Adelaide	1
CANADA	
University of Alberta	1
University of British Columbia	3
University of Toronto	1
Union C of British Columbia	1
SCOTLAND	
University of Edinburgh	2
University of Glasgow	1
UNITED KINGDOM	
University of Cambridge	7
University of Essex	1
University of London	1
University of Oxford	3
	(22)

Graduate Fellowship Awards by Field, Fiscal Year 1972

ENGINEERING SCIENCES	**206**
Aeronautical	10
Agricultural	1
Ceramic	1
Chemical	35
Civil	4
Electrical	77
Electronics	12
Engineering Mechanics	8
Engineering Science	2
Hydraulic	——
Industrial	1
Materials	5
Mechanical	28
Metallurgical	0
Nuclear	10
Petroleum	0
Sanitary	2
Engineering, Other	10
MATHEMATICAL SCIENCES	**249**
Algebra or No. Theory	39
Analysis	40
Applications of Math	23
Computer Science	49
Geometry	4
Logic or Foundations of Math	19
Operations Research	8
Probability &Statistics	11
Topology	31
Mathematics, Other	25
PHYSICAL SCIENCES	**336**
Physical Science, General	0
Astronomy	18
Atmospheric Science, General	1
Meteorology	8
Chemistry	136
Earth Sciences	46
Metallurgy	1
Physical Oceanography	6
Physics	120
Subtotal (EMP Sciences)	(791)
LIFE & MEDICAL SCIENCES	**307**
Agriculture	7
Biochemistry	68
Biology, General	69
Biological Oceanography	7
Biophysics	13
Botany	18
Ecology	49
Genetics	21
Microbiology	15
Pathology	1
Physiology	12
Zoology	23
Life Sciences, Other	2
Medical Sciences	2
SOCIAL SCIENCES & PSYCHOLOGY	**452**
Anthropology	57
Archeology	23
Economics	89
Geography	3
History & Philosophy of Science	22
International Relations	3
Linguistics	22
Political Science	36
Sociology	54
Urban & Regional Planning	13
Social Sciences, Other	10
Psychology	120
Subtotal (Life &Soci.)	(759)
TOTAL, Graduate Fellowships	1,550
Continuations of	
Fiscal Year 1970	1,093
Fiscal Year 1969	715
TOTAL, Graduate Traineeships	1,808
GRAND TOTAL, Graduate Fellowships & Traineeships	3,358

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